

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐

1b. TYPE OF WELL

OIL GAS SINGLE MULTIPLE  
WELL ☒ WELL ☐ OTHER ☐ ZONE ☒ ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

Route #3 Box 3630, Myton, UT 84052

Phone: (435) 646-3721

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At Surface NW/NW 660' FWL 660' FNL

At proposed Prod. Zone

4432010 N  
580610 E

5. LEASE DESIGNATION AND SERIAL NO.

UTU-72106

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Beluga

8. FARM OR LEASE NAME WELL NO

4-18-9-17

9. API WELL NO.

10. FIELD AND POOL OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREANW/NW  
Sec. 18, T9S, R17E

12. County

Duchesne

13. STATE

UT

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 20.5 miles southwest of Myton, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY  
OR LEASE LINE, FT. (Also t

Approx. 660' f/lse line &amp; 660' f/unit line

16. NO. OF ACRES IN LEASE

2,223.13

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL,  
DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

Approx. 1450'

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5444.5' GR

22. APPROX. DATE WORK WILL START\*

3rd Quarter 2001

## 23. PROPOSED CASING AND CEMENTING PROGRAM

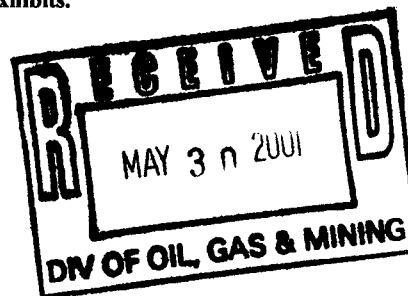
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 5-31-01

By: Federal Approval of this  
Action is NecessaryIN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.  
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Mandie Crozier TITLE Permit Clerk DATE May 29, 2001

(This space for Federal or State office use)

PERMIT NO. 43-013-32274 APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**T9S, R17E, S.L.B.&M.**

N89°52'E - 78.57 (G.L.O.)

1910  
Brass Cap

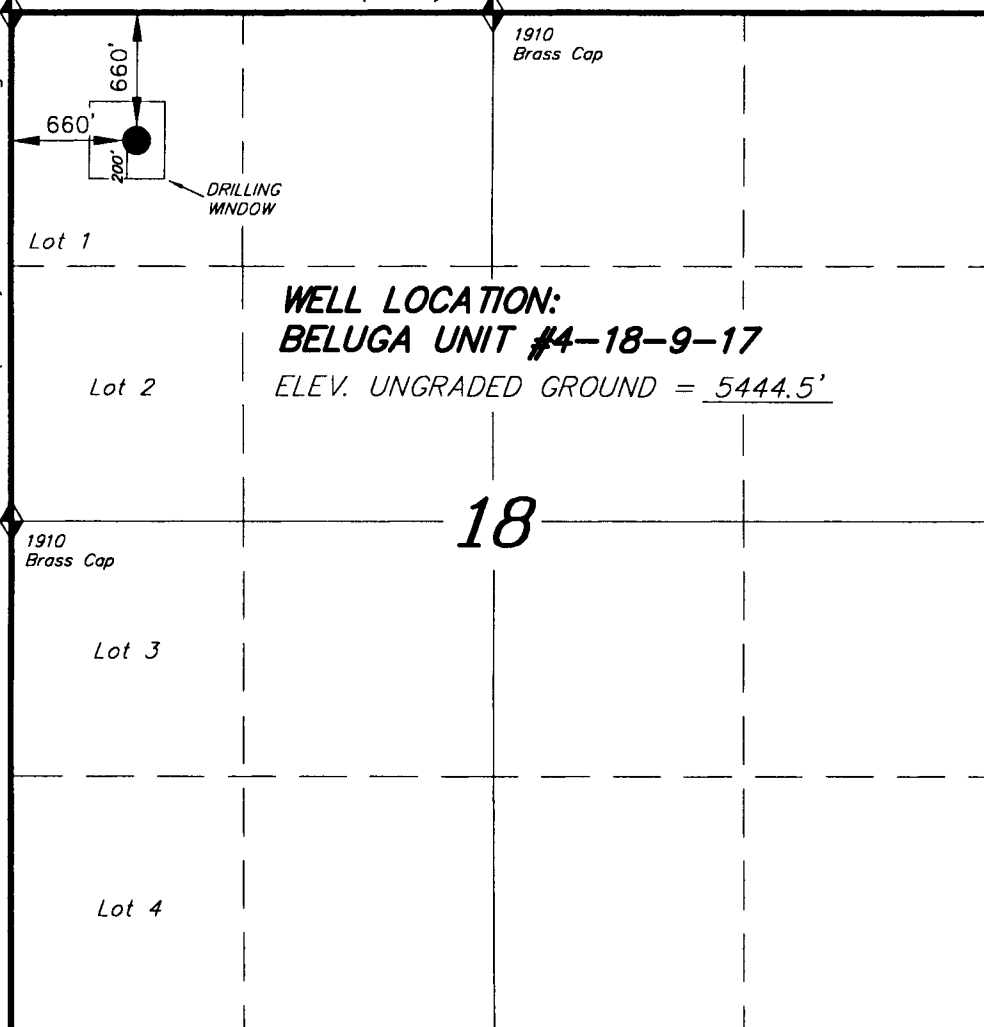
N89°47'56"E - 2532.37' (Meas.)

1910  
Brass Cap

NORTH (G.L.O.) 2641.01' (Measured)  
NORTH (G.L.O.) Basis of Bearings

NORTH (G.L.O.)

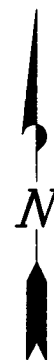
N0°03'W (G.L.O.)



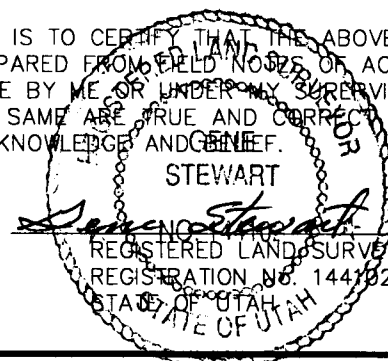
N89°51'E - 78.66 (G.L.O.)

**INLAND PRODUCTION COMPANY**

WELL LOCATION, BELUGA UNIT  
#4-18-9-17, LOCATED AS SHOWN IN  
LOT 1 OF SECTION 18, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: C.D.S.

DATE: 3-19-01

WEATHER: COLD

NOTES:

FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

May 31, 2001

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2001 Plan of Development Beluga Unit,  
Duchesne County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2001 within the Beluga Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-32274	Beluga U 4-18-9-17	Sec. 18, T9S, R17E 0660 FNL 0660 FWL
43-013-32275	Beluga U 12-7-9-17	Sec. 07, T9S, R17E 2137 FSL 0766 FWL
43-013-32276	Beluga U 13-7-9-17	Sec. 07, T9S, R17E 0802 FSL 0711 FWL

This office has no has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Beluga Unit  
Division of Oil Gas and Mining  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:5-31-1



PRODUCTION COMPANY  
A Subsidiary of Inland Resources Inc.

May 29, 2001

State of Utah  
Division of Oil, Gas & Mining  
Attn: Brad Gill  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill Well No: 4-8-9-17, 4-18-9-17, 12-7-9-17,  
and 13-7-9-17.

Dear Brad:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Permit Clerk

mc  
enclosures

cc: Jon Holst  
Denver office well file  
Pleasant Valley well file

**RECEIVED**

MAY 30 2001

**DIVISION OF  
OIL, GAS AND MINING**

Well No.: Beluga Unit 4-18-9-17

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Beluga 4-18-9-17

API Number:

Lease Number: UTU-72106

Location: NWNW Sec. 18, T9S, R17E

**GENERAL**

Access well pad from the southwest, off of an existing jeep trail.

**CULTURAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**PALEONTOLOGICAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**SOILS, WATERSHEDS, AND FLOODPLAINS**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**WILDLIFE AND FISHERIES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**FERRUGINOUS HAWK:** Due to this proposed well location's proximity (less than 0.5 mile) to an existing inactive ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between February 1 and May 30. If the nest remains inactive on May 30<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date, but shall make practical efforts to build the location so that the well pad and access road are not visible from the nest site. If the nest site becomes active prior to May 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**MOUNTAIN PLOVER:** If new construction or surface disturbing activities are scheduled to occur between March 15 and August 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be completed prior to initiating new construction or surface disturbing activities (see Survey Protocol COAs EA Number 1996-61).

#### **OTHER**

Installation of the surface gas pipeline and any subsequent buried gas or water pipelines will follow the conditions of approval outlined above.

Except as specified in the APD, the installation of the surface gas line and any subsequent buried pipelines will follow the edge of the existing roadways without interfering with the normal travel and maintenance of the roadway.

The installation of any buried pipelines will disturb as little surface as possible and will not exceed 60 feet in width. Reclamation of the water line area will be completed within 10 days after installation. The surface will be recontoured to natural or near natural contours. Reseeding will be with the same seed mixture specified for reclamation of the well site. The interface of the buried line disturbance area and the edge of any adjacent access roads will be constructed with a borrow ditch and road berm to minimize vehicular travel along the water line route.

INLAND PRODUCTION COMPANY  
BELUGA #4-18-9-17  
NW/NW SECTION 18, T9S, R17E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1640'
Green River	1640'
Wasatch	6500'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1640' – 6500' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
BELUGA #4-18-9-17  
NW/NW SECTION 18, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Beluga # 4-18-9-17 located in the NW 1/4 NW 1/4 Section 18, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southerly along Hwy 53 - 14.6 miles  $\pm$  to an existing road to the nothwest. Proceed northwesterly 4.3 miles  $\pm$  to the beginning of the proposed access road. Proceed northerly along the proposed access road 146' to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.



9. **WELL SITE LAYOUT**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and the Paleontological Resource Survey for this area is attached.

Inland Production Company requests a 60' ROW for the Beluga #4-18-9-17 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."**

Inland Production Company also requests a 60' ROW be granted for the Beluga #4-18-9-17 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."**

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

*Representative*

Name: Mandie Crozier  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

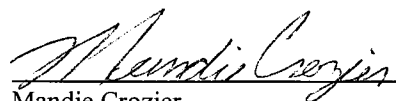
*Certification*

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #4-18-9-17 NW/NW Section 18, Township 9S, Range 17E: Lease UTU-72106 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

May 29, 2001

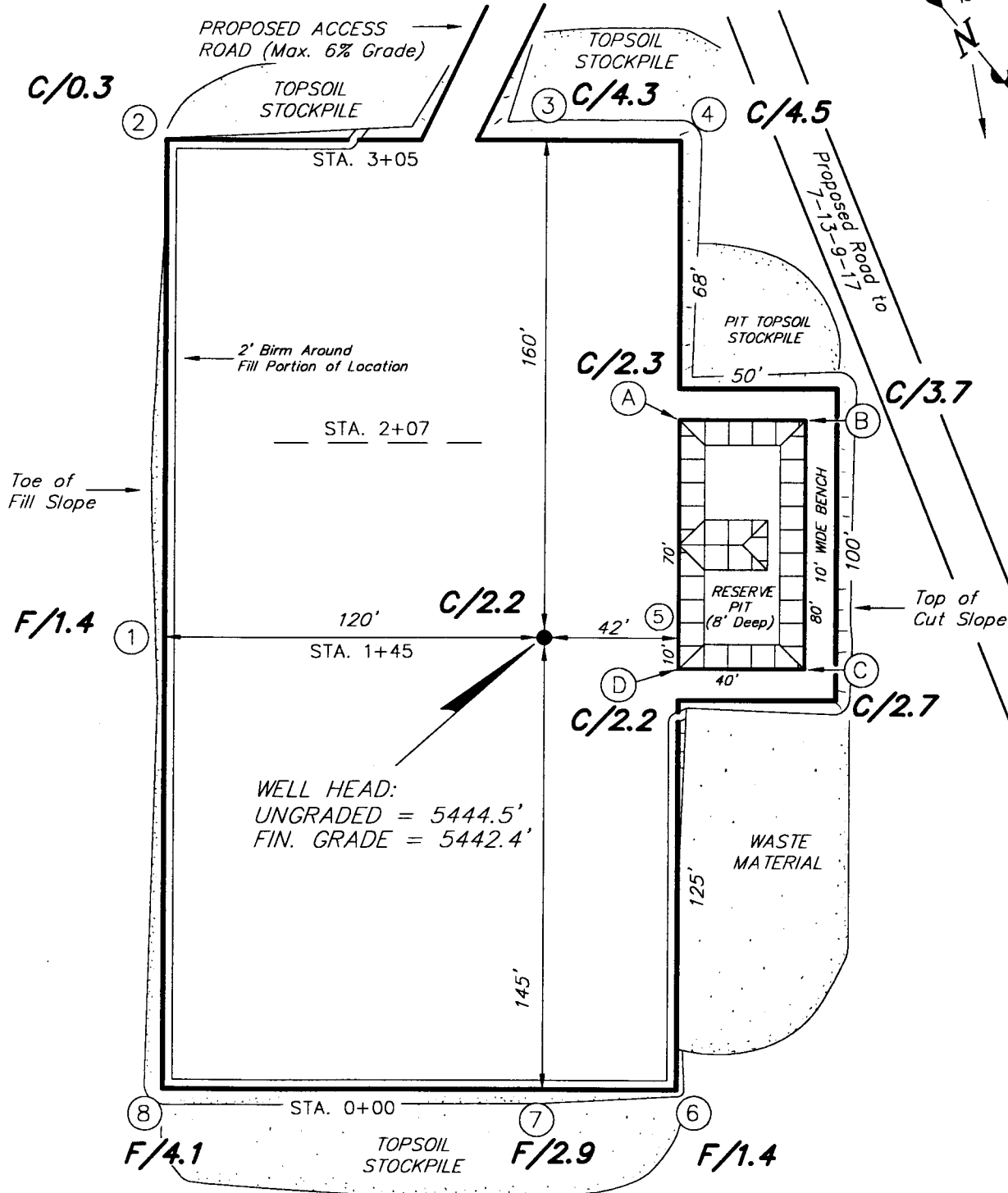
Date



Mandie Crozier  
Permit Clerk

# INLAND PRODUCTION COMPANY

**BELUGA UNIT #4-18-9-17**  
SEC. 18, T9S, R17E, S.L.B.&M.



## REFERENCE POINTS

195' NORTHEAST = 5441.1'  
245' NORTHEAST = 5442.5'

SURVEYED BY: C.D.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

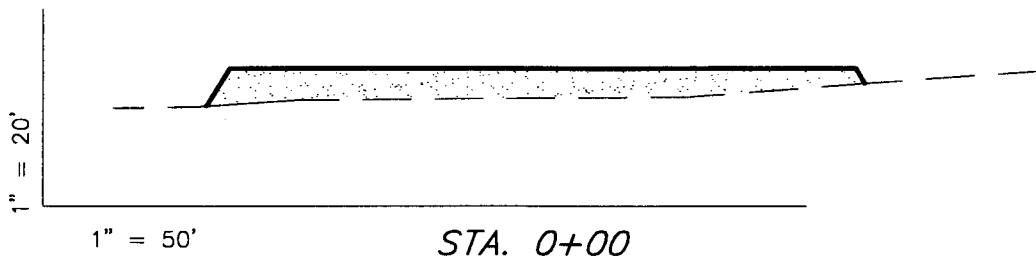
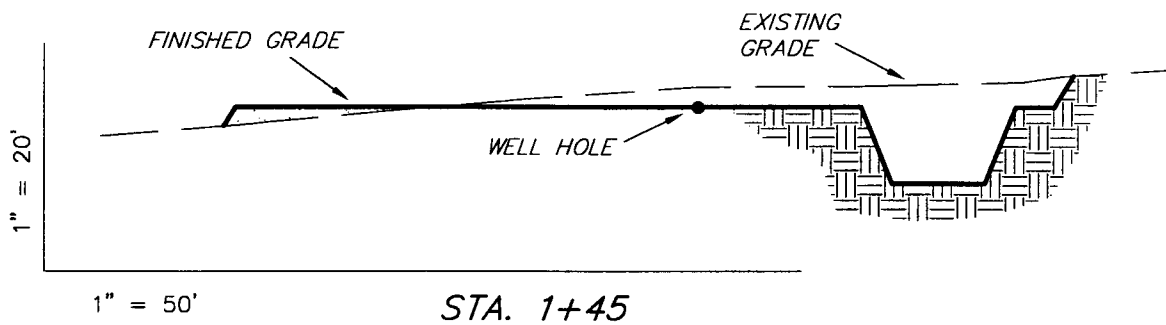
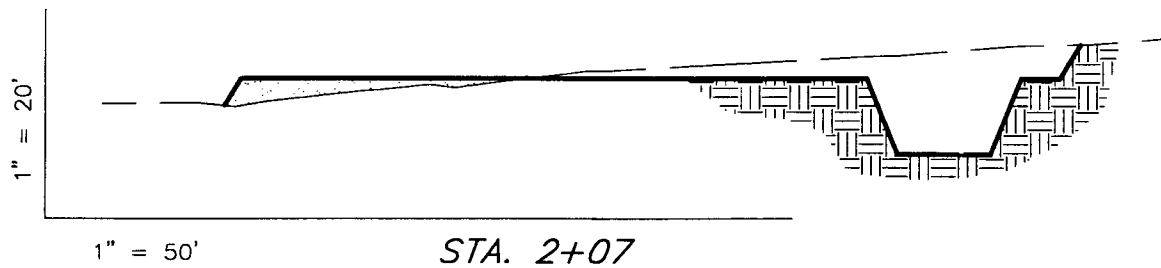
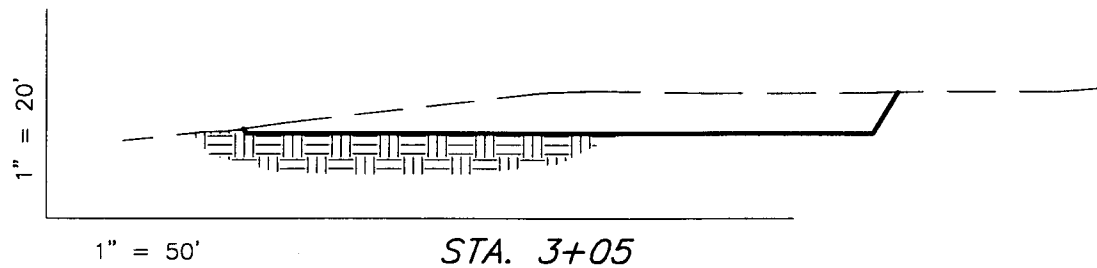
DATE: 3-19-01

**Tri State**  
Land Surveying, Inc.  
38 WEST 100 NORTH VERNAL, UTAH 84078

(435) 781-2501

**INLAND PRODUCTION COMPANY**  
**CROSS SECTIONS**

**BELUGA UNIT #4-18-9-17**



**APPROXIMATE YARDAGES**

CUT = 1,720 Cu. Yds.

FILL = 1,720 Cu. Yds.

PIT = 640 Cu. Yds.

6" TOPSOIL = 1,010 Cu. Yds.

SURVEYED BY: C.D.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 3-19-01

**Tri State**  
**Land Surveying, Inc.**  
38 WEST 100 NORTH VERNAL, UTAH 84078

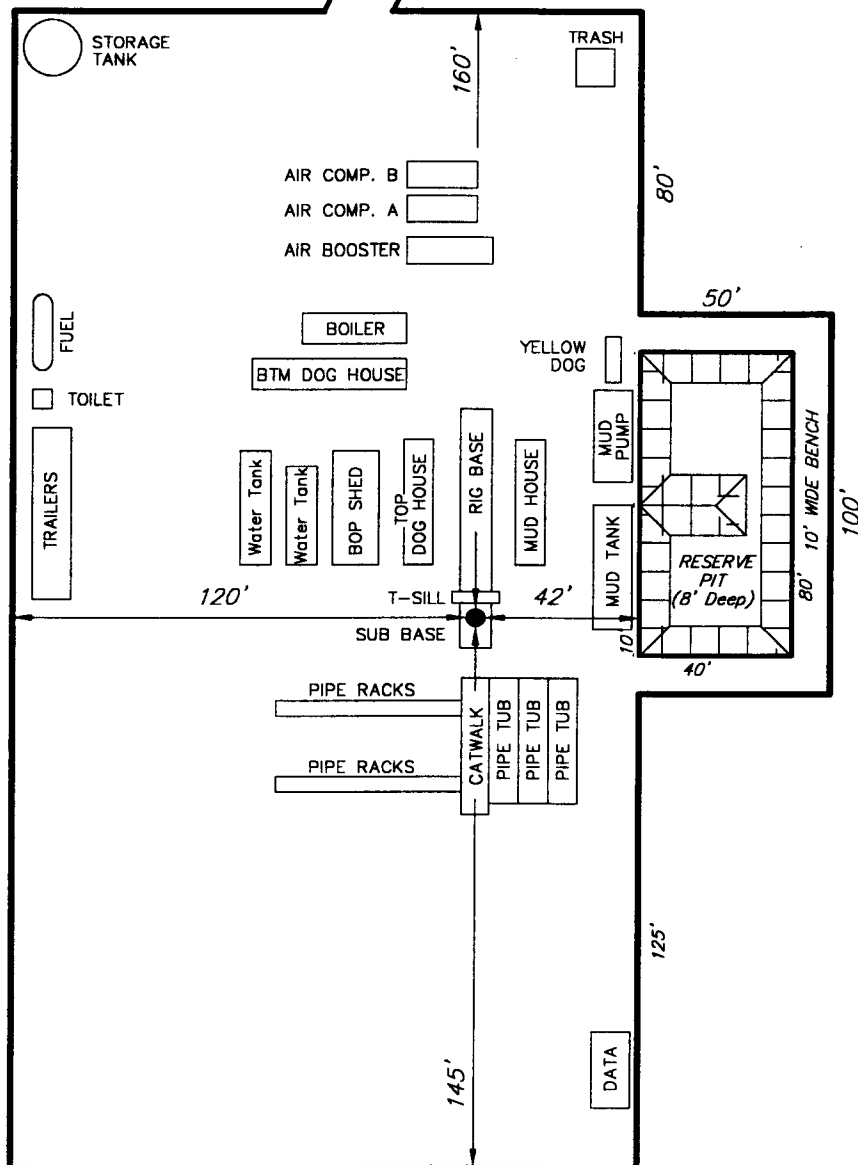
(435) 781-2501

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### BELUGA UNIT #4-18-9-17

PROPOSED ACCESS  
ROAD (Max. 6% Grade)



SURVEYED BY: C.D.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 3-19-01

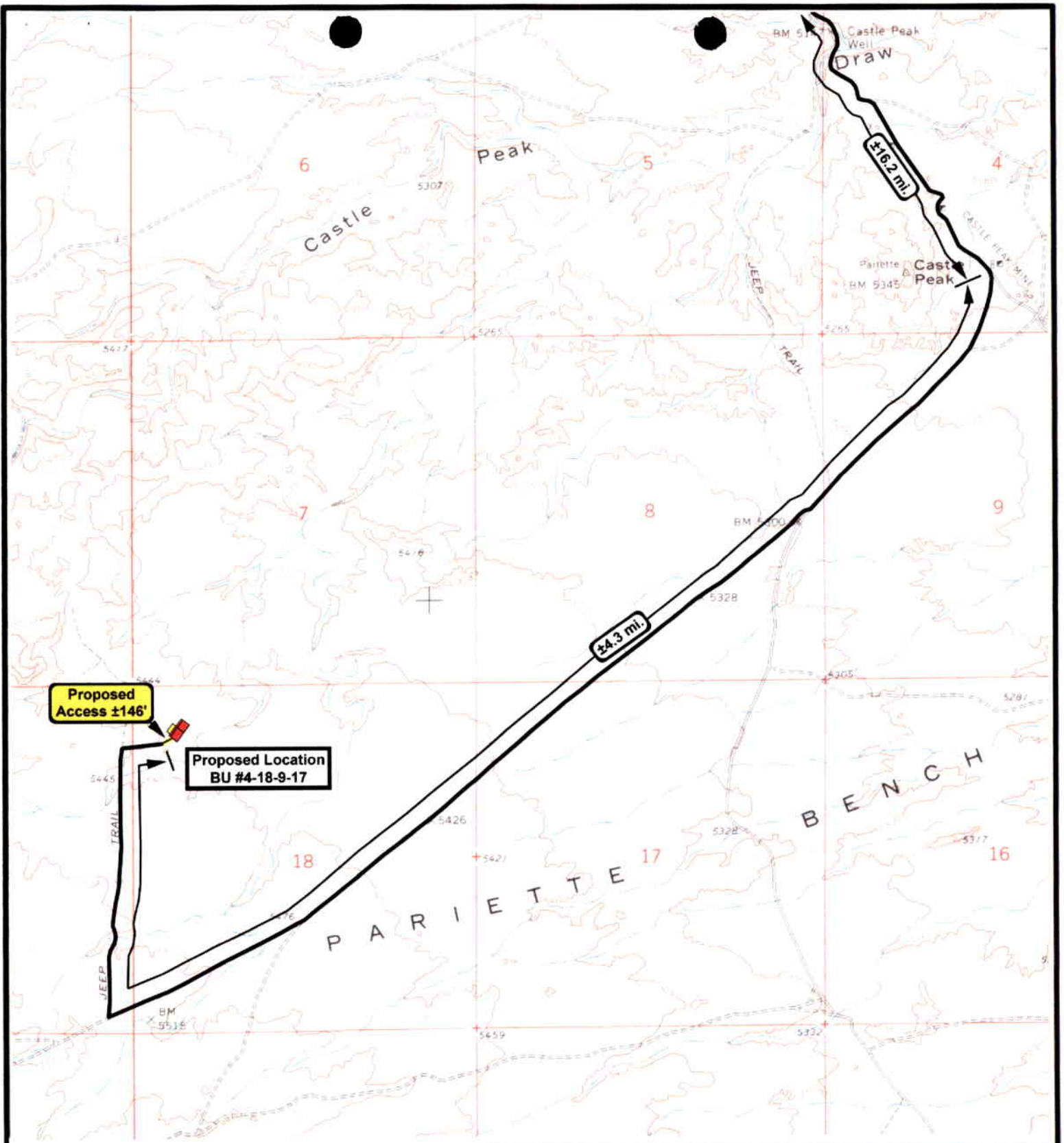
**Tri State**  
Land Surveying, Inc.

(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078







**Beluga Unit #4-18-9-17  
SEC. 18, T9S, R17E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: bgm  
DATE: 03-19-2001

**Legend**

Existing Road  
Proposed Access

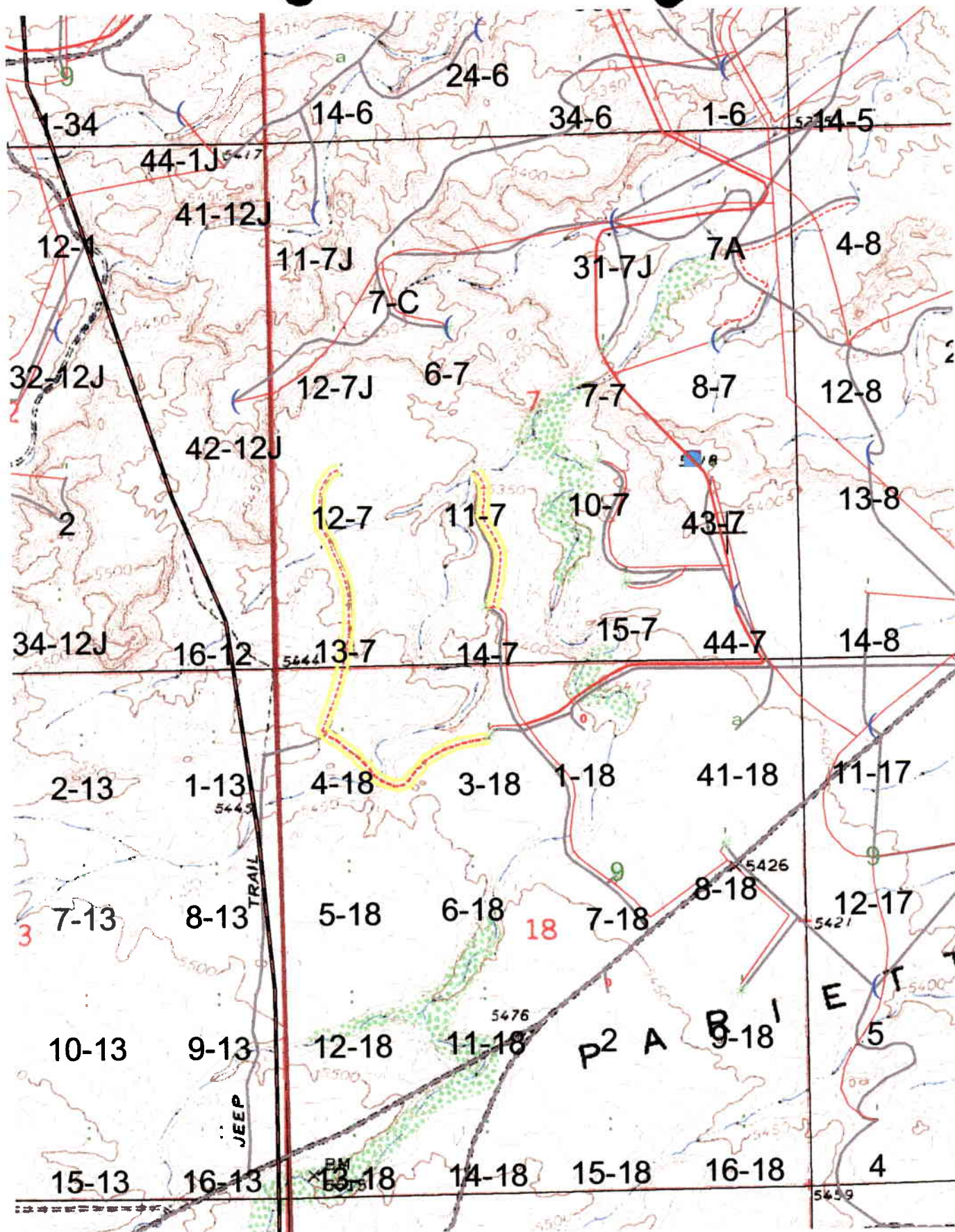
TOPOGRAPHIC MAP

**"B"**





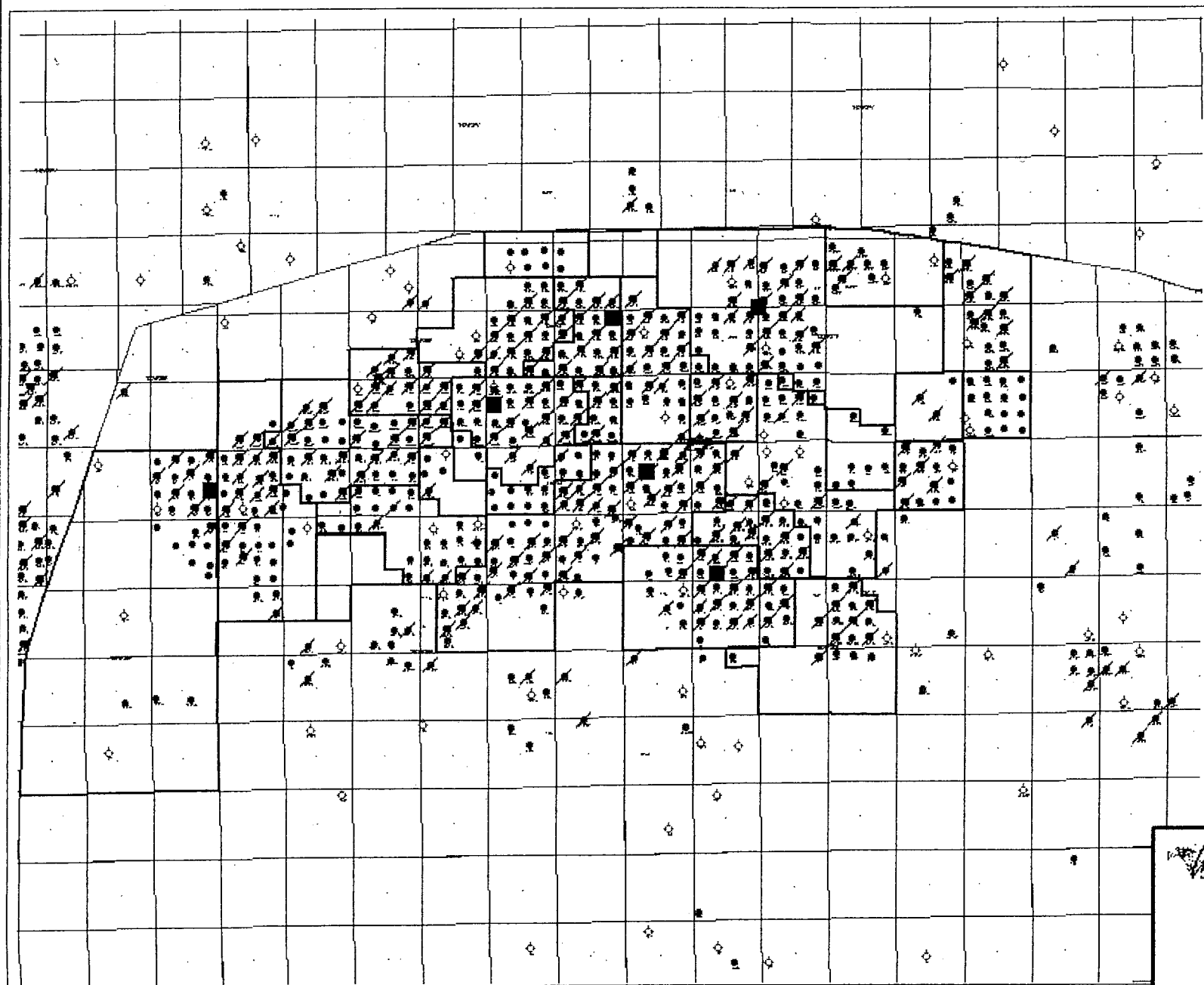




Topographic Map "C"

Proposed Gas Lines





- Injection Stations  
 Well Categories  
 ↗ INJ  
 ● OIL  
 ◇ DRY  
 ↘ SHUTIN  
 □ URB



Exhibit "A"



430 1st Street, Suite 200  
 Denver, Colorado 80202  
 Phone: (303) 843-0122

Uinta Basin

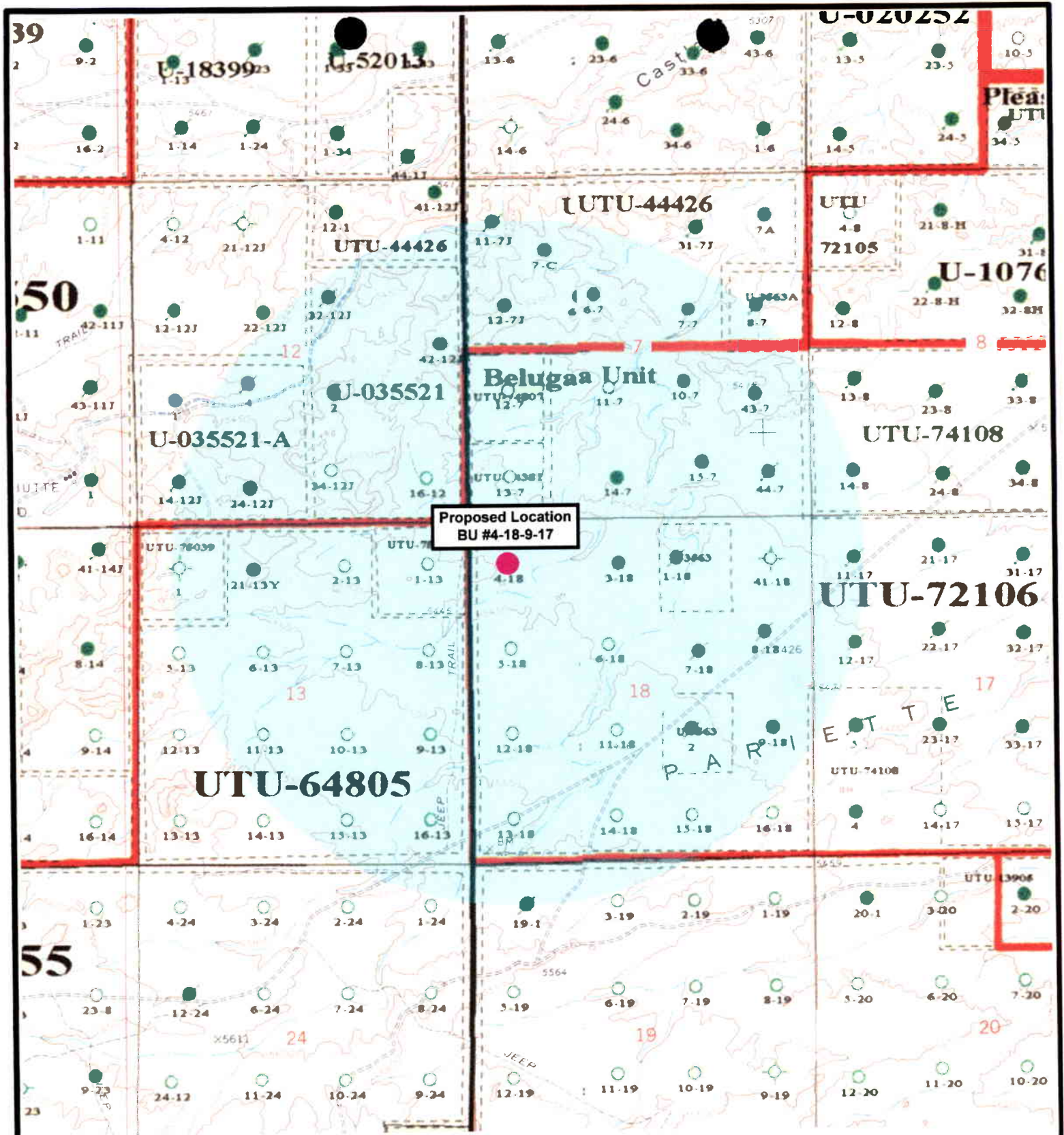
UINTA BASIN, UTAH

Duchesne & Clinch Counties, UT

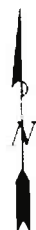
April 10, 2000

L. J. Coker

1 0 1 Miles



**Beluga Unit #4-18-9-17**  
**SEC. 18, T9S, R17E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'  
 DRAWN BY: bgm  
 DATE: 03-19-2001

**Legend**

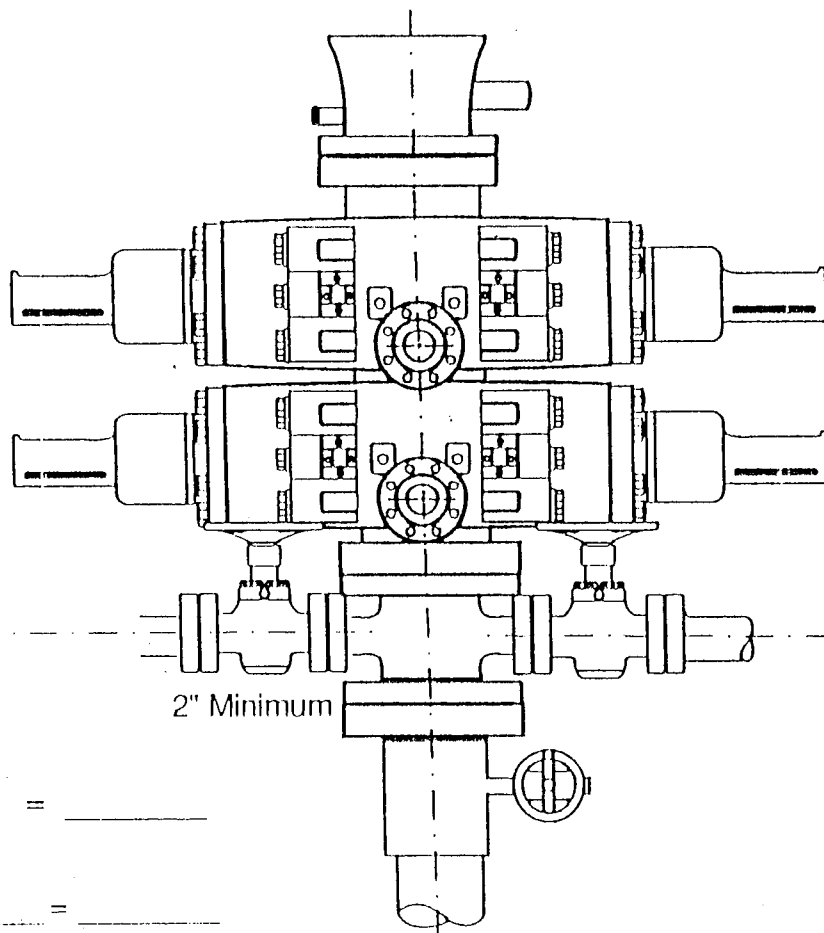
**TOPOGRAPHIC MAP**

**EXHIBIT**  
**"B"**

RAM TYPE B.O.P.  
 Make:  
 Size:  
 Model:

## 2-M SYSTEM

EXHIBIT "C"



GAL TO CLOSE

Annular BOP = \_\_\_\_\_

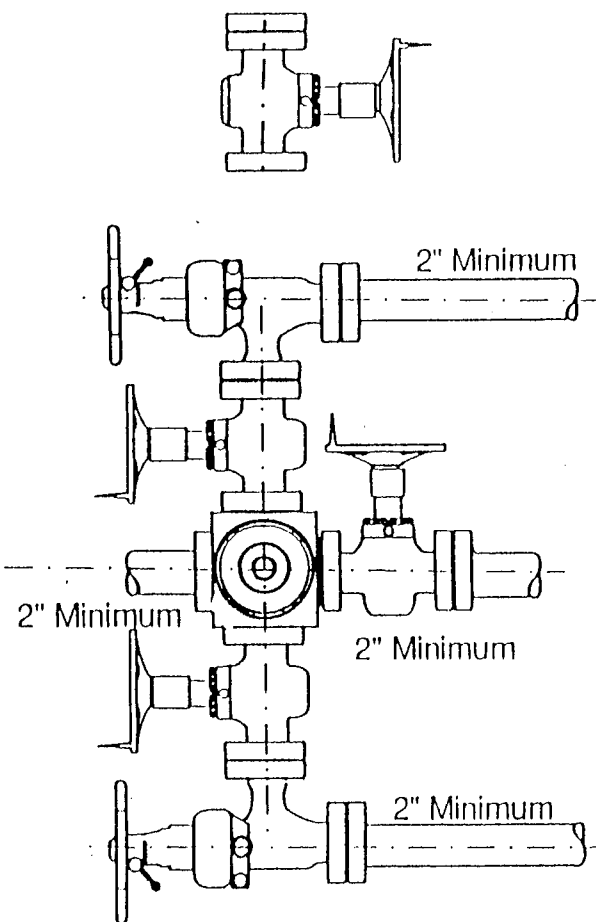
Ramtype BOP

\_\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_

= \_\_\_\_\_ Gal.

\_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.

Rounding off to the next higher  
 increment of 10 gal. would require  
 \_\_\_\_\_ Gal. (total fluid & nitro volume)



**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 05/30/2001

API NO. ASSIGNED: 43-013-32274

WELL NAME: BELUGA U 4-18-9-17

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWNW 18 090S 170E

SURFACE: 0660 FNL 0660 FWL

BOTTOM: 0660 FNL 0660 FWL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-72106

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )

☒ Potash (Y/N)

☒ Oil Shale (Y/N) \*190-5 (B) or 190-3

☒ Water Permit

(No. MUNICIPAL )

☒ RDCC Review (Y/N)

(Date: )

☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

R649-2-3. Unit BELUGA

R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 228-4 \*Unit's Enh. Rec.

Eff Date: 2-1-96

Siting: \*Per Unit Agreement

R649-3-11. Directional Drill

COMMENTS:

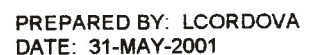
Mon. Butte Field SOP, separate file.

STIPULATIONS:

Fed approval



COUNTY: DUCHESNE UNIT: BELUGA (GR)  
CAUSE: 228-4





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

May 31, 2001

Inland Production Company  
Route 3 Box 3630  
Myton, UT 84052


Re: Beluga Unit 4-18-9-17 Well, 660' FNL, 660' FWL, NW NW, Sec. 18, T. 9 South,  
R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32274.

Sincerely,



John R. Baza  
Associate Director

er

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office



**Operator:** Inland Production Company  
**Well Name & Number** Beluga Unit 4-18-9-17  
**API Number:** 43-013-32274  
**Lease:** UTU 72106

**Location:** NW NW      **Sec.** 18      **T.** 9 South      **R.** 17 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐

1b. TYPE OF WELL

OIL ☐ GAS ☐ SINGLE ☐ MULTIPLE ☐  
WELL ☒ WELL ☐ OTHER ☐ ZONE ☒ ZONE ☐

2. NAME OF OPERATOR  
**Inland Production Company**

3. ADDRESS OF OPERATOR  
**Route #3 Box 3630, Myton, UT 84052** Phone: **(435) 646-3721**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
At Surface **NW/NW 660' FWL 660' FNL**  
At proposed Prod. Zone

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-72106**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**

7. UNIT AGREEMENT NAME  
**Beluga**

8. FARM OR LEASE NAME WELL NO  
**4-18-9-17**

9. API WELL NO.

10. FIELD AND POOL OR WILDCAT  
**Monument Butte**

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
**NW/NW  
Sec. 18, T9S, R17E**

12. County  
**Duchesne**

13. STATE  
**UT**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 20.5 miles southwest of Myton, Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also t  
**Approx. 660' f/lse line & 660' f/unit line**

16. NO. OF ACRES IN LEASE  
**2,223.13**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.  
**Approx. 1450'**

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5444.5' GR**

22. APPROX. DATE WORK WILL START\*  
**3rd Quarter 2001**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.  
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Mardie Crozier TITLE Permit Clerk DATE May 29, 2001

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Theresa B. Cleaving TITLE Assistant Field Manager Mineral Resources DATE 10/08/2001

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Compnay

Well Name & Number: Beluga 4-18-9-17

API Number: 43-013-32274

Lease Number: U-72106

Location: NWNW Sec. 18 T.9S R. 17E

Agreement: Beluga Unit

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top behind the production casing at least 200' above the base of the usable water zone identified at ±928'.

2. Other Information

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

SURFACE USE PROGRAM  
Conditions of Approval (COA)

Plans For Reclamation of Location:

All seeding for reclamation operations at this location shall use the following seed mixture:

shadscale	Atriplex confertifolia	3 lbs/acre
Gardners saltbush	Atriplex gardneri	3 lbs/acre
Indian rice grasse	Oryzopsis hymonides	3 lbs/acre
galleta grass	Hilaria jamesii	3 lbs/acre

If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

#### SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

660 FNL 660 ~~FNL~~ FWL NW/NW Section 18, T9S R17E

5. Lease Designation and Serial No.

UTU-72106

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

BELUGA

8. Well Name and No.

BELUGA U 4-18-9-17

9. API Well No.

43-013-32274

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Permit Extension

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland Production Company requests to extend the permit to drill this well for one year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 06-25-02  
By: [Signature]

RECEIVED

JUN 24 2002

DIVISION OF  
OIL, GAS AND MINING

COPY SENT TO OPERATOR

Date: 6-26-02  
Initials: CHD

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]  
Mandie Crozier

Title

Permit Clerk

Date

6/21/2002

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

*SUBMIT IN TRIPLICATE*

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**660 FNL 660 FNL NW/NW Section 18, T9S R17E**

5. Lease Designation and Serial No.

**UTU-72106**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**BELUGA**

8. Well Name and No.

**BELUGA 4-18-9-17**

9. API Well No.

**43-013-32274**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTA**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland Production Company requests to extend the permit to drill this well for one year.

**RECEIVED**

SEP 23 2002

DIVISION OF  
OIL, GAS AND MINING

**CONDITIONS OF APPROVAL ATTACHED**

14. I hereby certify that the foregoing is true and correct

Signed

*Mandie Crozier*  
Mandie Crozier

Title

Permit Clerk

Date

9/23/02

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

*Keith H. Brown*

Title

Petroleum Engineer

Date

10/16/02

Conditions of approval, if any:

CC: Utah DOGM

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U.DOGM

Inland Production Company  
APD Extension

Well: Beluga 4-18-9-17

Location: NWNW Sec. 18, T9S, R17E

Lease: UTU 72106

**CONDITIONS OF APPROVAL**

An extension for the referenced APD is granted with the following conditions:

---

1. The extension will expire 10/08/03
2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood of this office at (435) 781-4486



PRODUCTION COMPANY  
*A Subsidiary of Inland Resources Inc.*

June 11, 2003

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Mason  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: One Year Extension on the APD for the Beluga Unit 4-18-9-17.

Dear Diana:

We have already received a one year extension on this permit and would like to extend it for another year, since the approval that we have received from the BLM is not due to expire yet. If you have any questions, feel free to give me a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

enclosures

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JUN 12 2003

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒

Oil  
Well

☐

Gas  
Well

☐

Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**660 FNL 660 FW NW/NW Section 18, T9S R17E**

5. Lease Designation and Serial No.

**UTU-72106**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**BELUGA**

8. Well Name and No.

**BELUGA UNIT 4-18-9-17**

9. API Well No.

**43-013-32274**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

**TYPE OF ACTION**

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☒

Altering Casing

Other

**Permit Extension**

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-  
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland Production Company requests to extend the Permit to Drill this well for one year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date:

**06-24-03**

By:

*[Signature]*

COPY SENT TO OPERATOR

Date:

**6-25-03**

Initials:

**CHD**

RECEIVED

**JUN 12 2003**

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

*[Signature]*  
Mandie Crozier

Title

**Regulatory Specialist**

Date

**6/11/2003**

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious  
or fraudulent statements or representations as to any matter within its jurisdiction.

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32274  
**Well Name:** Beluga Unit 4-18-9-17  
**Location:** NW/NW Section 18, T9S R17E  
**Company Permit Issued to:** Inland Production Company  
**Date Original Permit Issued:** 5/31/2001

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒ **NA**

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

*Mandie Crozier*  
Signature

6/11/2003

Date

Title: Regulatory Specialist

Representing: Inland Production Company



## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: INLAND PRODUCTION COMPANY

Well Name: BELUGA U 4-18-9-17

Api No: 43-013-32274 Lease Type: FEDERAL

Section 18 Township 09S Range 17E County DUCHESNE

Drilling Contractor LEON ROSS RIG # 21

### **SPUDDED:**

Date 08/26/03

Time 8:30 AM

How DRY

**Drilling will commence:** \_\_\_\_\_

Reported by RAY HERRERA

Telephone # 1-435-823-1990

Date 08/26/2003 Signed: CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: INLAND PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11880	43-013-32274	Beluga 4-18-9-17	NW/NW	18	9S	17E	Duchesne	August 26 2003	9/10/03
WELL 1 COMMENTS: <i>GRUV</i>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	13869	43-013-32304	Ashley 15-10-9-15	SW/SE	10	9S	15E	Duchesne	August 26, 2003	9/10/03
WELL 2 COMMENTS: <i>GRUV</i>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 3 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 4 COMMENTS:											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or salt well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED  
AUG 29 2003

DIV. OF OIL, GAS & MINING

*Kebbie S. Jones*  
Signature  
Production Clerk  
Date August 29, 2003

08/29/2003 09:14 4356463031

INLAND

PAGE 02

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**660 FNL 660 FNL NW/NW Section 18, T9S R17E**

**RECEIVED**

**JUL 19 2004**

**DIV. OF OIL, GAS & MINING**

5. Lease Designation and Serial No.

**UTU-72106**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**BELUGA**

8. Well Name and No.

**BELUGA UNIT 4-18-9-17**

9. API Well No.

**43-013-32402 32274**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT**

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Weekly Status Report**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 07/06/04. MIRU EDSI #2. Set equipment. Pressure test Bop's, Kelly, & TIW to 2,000 psi. Test 85/8" csgn to 1,500 psi. Vernal BLM office was notified of test. PU BHA and tag cement @ 256'. Drill out cement & shoe. Continue to drill a 77/8" hole with fresh water to a depth of 5875'. Lay down drill string, BHA. Open hole log from TD to surface. PU & MU guide shoe, 1 jt 51/2" J-55 15.5 # csgn. Float collar, & 138 Jt's 51/2" J-55 15.5# csgn. Set @ 5864.49' KB. Cement with 300 sks Prem Lite II w/ 3% KCL, 10% Gel, 3#"s sk CSE, 2#"s sk Kolseal, 5% Sms, 1/4# sks Celloflake. Mixed @ 11.0 ppg, >3.43 yld. Followed by 425 sks 50/50 Poz w/ 3% KCL, 2% Gel, .05% Static free, 1/4# sk Celloflake .3%SM. Mixed @ 14.4 ppg, > 1.24 yld. Good returns W/ 45 of 50bbbs of dyed water to pit. Nipple down BOP's. Drop slips @ 85,000 #'s tension. Clean pit's & release rig @ 6:00 AM on 07-14-04.

14. I hereby certify that the foregoing is true and correct

Signed

*Justin Crum*  
Justin Crum

Title

**Drilling Foreman**

Date

**July 16 2004**

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

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# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5864.49

Flt cllr @ 5820'

LAST CASING 8 5/8" SET AT 303.15'

OPERATOR Inland Production Company

DATUM 12' KB

WELL Beluga 4-18-9-17

DATUM TO CUT OFF CASING 12

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # Eagle # 2

TD DRILLER 5875' LOGGER

HOLE SIZE 7 7/8"

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		<b>5.04' @ 4040'</b>					
<b>137</b>	<b>5 1/2"</b>	IPS LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	5808.58
		Float collar					0.6
<b>1</b>	<b>5 1/2"</b>	Maverick LT&C csg	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	42.66
		<b>GUIDE</b> shoe			<b>8rd</b>	<b>A</b>	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5866.49
TOTAL LENGTH OF STRING	5866.49	138	LESS CUT OFF PIECE	14
LESS NON CSG. ITEMS	15.25		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	127.67	3	CASING SET DEPTH	<b>5864.49</b>
TOTAL	<b>5978.91</b>	141	} COMPARE	
TOTAL CSG. DEL. (W/O THRDS)	5978.91	141		
TIMING	1ST STAGE	2nd STAGE		
BEGIN RUN CSG.			GOOD CIRC THRU JOB	yes
CSG. IN HOLE			Bbls CMT CIRC TO SURFACE	45 of 50bbls of dyed water
BEGIN CIRC			RECIPROCATED PIPE I N/A	THRUSTROKE
BEGIN PUMP CMT			DID BACK PRES. VALVE HOLD ?	Yes
BEGIN DSPL. CMT			BUMPED PLUG TO	1410 PSI
PLUG DOWN				

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
<b>1</b>	<b>300</b>	Prem-lite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
<b>2</b>	<b>425</b>	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE Justin Crum

DATE 7/14/2004

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Inland Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660 FWL 660 FNL  
NW/NW Section 18 T9S R17E

5. Lease Serial No.

UTU72106

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

BELUGA UNIT

8. Well Name and No.

BELUGA 4-18-9-17

9. API Well No.

4301332274

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 08/13/04 - 08/25/04

Subject well had completion procedures initiated in the Green River formation on 08/13/04 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (5723-5727'), (5542-5548') (ALL 4 JSPF); #2 (5144-5150'), (5126-5130') (ALL 4 JSPF); #3 (5038-5042'), (5004-5014') (ALL 4 JSPF); #4 (4053-4060'), (4018-4032') (ALL 4 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 8/20/04. Bridge plugs were drilled out. Well was cleaned out to PBTD @ 5807'. Zones were swab tested for sand cleanup. A BHA & production tbg string were run in and anchored in well. End of tubing string @ 5734'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 08/25/04.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Marnie Bryson

Signature

*Marnie Bryson*

Title

Production Clerk

Date

8/27/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

AUG 30 2004

DIV. OF OIL, GAS & MINING



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

# NEWFIELD



September 29, 2004

State of Utah, Division of Oil, Gas and Mining  
Attn: Ms. Carol Daniels  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Attn: Ms. Carol Daniels

Ashley Federal 2-14-9-15 (43-013-32396)  
Duchesne County, Utah

Beluga 4-18-9-17 (43-013-32274)  
Duchesne County, Utah

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Pat Grissom of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,

Brian Harris  
Engineering Tech

Enclosures

cc: Bureau of Land Management  
Vernal District Office, Division of Minerals  
Attn: Edwin I. Forsman  
170 South 500 East  
Vernal, Utah 84078

Well File – Denver  
Well File – Roosevelt  
Patsy Barreau/Denver  
Bob Jewett/Denver  
Marnie Bryson/Roosevelt

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OCT 01 2004

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		7. UNIT AGREEMENT NAME Beluga	
1b. TYPE OF WELL NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR. <input type="checkbox"/> Other _____		8. FARM OR LEASE NAME, WELL NO. Beluga 4-18-9-17	
2. NAME OF OPERATOR Newfield Exploration		9. WELL NO. 43-013-32274	
3. ADDRESS AND TELEPHONE NO. 1401 17th St. Suite 1000 Denver, CO 80202		10. FIELD AND POOL OR WILDCAT Monument Butte	
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)* At Surface 660' FNL & 660' FWL (NW NW) Sec. 18, Twp 9S, Rng 17E At top prod. Interval reported below		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 18, T9S, R17E	
At total depth		12. COUNTY OR PARISH Duchesne	13. STATE UT
15. DATE SPUDDED 8/21/2003	16. DATE T.D. REACHED 7/13/2004	17. DATE COMPL. (Ready to prod.) 8/25/2004	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5444' GL 5456' KB
19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 5875'	21. PLUG BACK T.D., MD & TVD 5822'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY ----->
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Green River 4018'-5727'		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log		27. WAS WELL CORED No	
23. CASING RECORD (Report all strings set in well)			
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8" - J-55	24#	310'	12-1/4"
5-1/2" - J-55	15.5#	5864'	7-7/8"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-7/8"	EOT @ 5734'	TA @ 5635'	
31. PERFORATION RECORD (Interval, size and number)			
INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)
(CP3,5) 5542-48', 5723-27'	.41"	4/40	5542'-5727'
(LODC) 5126-30', 5144-50'	.41"	4/40	5126'-5150'
(A1,3) 5004-14', 5038-42'	.41"	4/56	5004'-5042'
(GB4,6) 4018-32', 4053-60'	.41"	4/84	4018'-4060'
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
AMOUNT AND KIND OF MATERIAL USED			
Frac w/ 29,672# 20/40 sand in 329 bbls fluid.			
Frac w/ 34,544# 20/40 sand in 340 bbls fluid.			
Frac w/ 49,979# 20/40 sand in 419 bbls fluid.			
Frac w/ 116,050# 20/40 sand in 785 bbls fluid.			
OCT 01 2004			
33.* PRODUCTION			
DATE FIRST PRODUCTION 8/25/2004	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 15' RHAC Pump		WELL STATUS (Producing or shut-in) PRODUCING
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
OIL--BBL.		GAS--MCF.	WATER--BBL.
48		22	90
GAS-OIL RATIO			
458			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.) Sold & Used for Fuel			TEST WITNESSED BY
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Brian Harris</u>		TITLE <u>Engineering Technician</u>	
DATE <u>9/27/2004</u>		BDH	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);	38. GEOLOGIC MARKERS			
	FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
				Well Name Beluga 4-18-9-17
				<div> <div>Garden Gulch Mkr</div> <div>3526'</div> <div>TRUE</div> <div>VERT. DEPTH</div> </div> <div> <div>Garden Gulch 1</div> <div>3728'</div> </div> <div> <div>Garden Gulch 2</div> <div>3842'</div> </div> <div> <div>Point 3 Mkr</div> <div>4112'</div> </div> <div> <div>X Mkr</div> <div>4354'</div> </div> <div> <div>Y-Mkr</div> <div>4390'</div> </div> <div> <div>Douglas Creek Mkr</div> <div>4568'</div> </div> <div> <div>BiCarbonate Mkr</div> <div>4754'</div> </div> <div> <div>B Limestone Mkr</div> <div>4864'</div> </div> <div> <div>Castle Peak</div> <div>4356'</div> </div> <div> <div>Basal Carbonate</div> <div>4892'</div> </div> <div> <div>Total Depth (LOGGERS)</div> <div>4875'</div> </div>

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

**FROM: (Old Operator):**  
 N5160-Inland Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

**TO: ( New Operator):**  
 N2695-Newfield Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

CA No.

Unit:

BELUGA (GREEN RIVER)

**WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 43-7	07	090S	170E	4301331432	11880	Federal	OW	P
BELUGA 15-7-9-17	07	090S	170E	4301331579	11880	Federal	OW	P
BELUGA 10-7-9-17	07	090S	170E	4301332048	11880	Federal	WI	A
BELUGA 14-7-9-17	07	090S	170E	4301332049	11880	Federal	WI	A
MON FED 33-8	08	090S	170E	4301331427	11880	Federal	WI	A
MON ST 23-16-9-17B	16	090S	170E	4301331578	11880	State	OW	P
MON ST 13-16-9-17B	16	090S	170E	4301331580	11880	State	WI	A
MON FED 31-17	17	090S	170E	4301331428	11880	Federal	WI	A
MON FED 22-17	17	090S	170E	4301331429	11880	Federal	WI	A
BALCRON MON FED 12-17	17	090S	170E	4301331431	11880	Federal	OW	P
MONUMENT FED 32-17	17	090S	170E	4301331465	11880	Federal	OW	P
MONUMENT FED 41-17	17	090S	170E	4301331466	11880	Federal	OW	P
BALCRON MON FED 42-17	17	090S	170E	4301331467	11880	Federal	WI	A
MON FED 33-17-9-17B	17	090S	170E	4301331581	11880	Federal	WI	A
MON FED 23-17-9-17B	17	090S	170E	4301331582	11880	Federal	OW	P
BELUGA 3-18-9-17	18	090S	170E	4301332050	11880	Federal	OW	P
BELUGA 7-18-9-17	18	090S	170E	4301332051	11880	Federal	OW	TA
BELUGA 8-18-9-17	18	090S	170E	4301332052	11880	Federal	WI	A
BELUGA 9-18-9-17	18	090S	170E	4301332053	11880	Federal	OW	P
BELUGA U 4-18-9-17	18	090S	170E	4301332274	11880	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - **received 2/23/05**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
999 18<sup>TH</sup> STREET - SUITE 200  
DENVER, CO 80202-2466  
Phone 800-227-8917  
<http://www.epa.gov/region08>

MAY 18 2006

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

David Gerbig  
Operations Engineer  
Newfield Production Company  
1401 Seventeenth Street - Suite 1000  
Denver, CO 80202

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED

MAY 22 2006

DIV. OF OIL, GAS & MINING

43,013,32274  
95 17E 18  
RE: Additional Well to Beluga Area Permit  
UIC Permit No. UT20798-00000  
Well ID: UT20798-06742  
Beluga No. 4-18-9-17  
Duchesne County, Utah

Dear Mr. Gerbig:

The Newfield Production Company (Newfield) request to convert the Beluga No. 4-18-9-17 to a Green River Formation enhanced recovery injection well is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization For An Additional Well to the Beluga Area Permit.

The addition of the Beluga No. 4-18-9-17, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 Code of Federal Regulations (CFR) §144.33 (c) and terms of the Beluga Area Permit, Underground Injection Control (UIC) Area Permit No. UT20798-00000. Unless specifically mentioned in the enclosed Authorization For Additional Well, the Beluga No. 4-18-9-17 is subject to all terms and conditions of the UIC Area Permit UT20798-00000 as modified.

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and Newfield has received written authorization from the Director to begin injection. Please note that the permit limits injection to the gross interval within the Green River Formation between the depths of 3526 feet and the estimated top of the Wasatch Formation at 6017 feet.



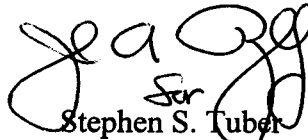
Printed on Recycled Paper

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval the following: (1) the results of a **Part I (Internal) mechanical integrity test (MIT)**, (2) a **pore pressure** calculation of the injection interval, and (3) a completed **EPA Form No. 7520-12** (Well Rework Record) with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the Beluga No. 4-18-9-17 was determined to be **1750 psig**. UIC Area Permit UT20798-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a Step-Rate Test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Mr. Dan Jackson at (303) 312-6155 or 1-800-227-8917 (Ext. 6155). Please submit the required data to **ATTENTION: DAN JACKSON**, at the letterhead address, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,

 *for* DHThomas

Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

enclosures: Authorization For Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Schematic Diagram: Beluga 4-18-9-17  
Ground Water Section Guidance No. 39 (Part I Internal MIT)

cc: without enclosures

Maxine Natchees  
Acting Chairperson  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Chester Mills  
Superintendent  
BIA - Uintah & Ouray Indian Agency



cc: with enclosures

Lynn Becker  
Director  
Energy & Minerals Dept.  
Ute Indian Tribe

S. Elaine Willie  
Environmental Coordinator  
Ute Indian Tribe

Michael Guinn  
Vice President - Operations  
Newfield Production Company  
Myton, UT 84052

Gilbert Hunt  
Technical Services Manager  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
U.S. Bureau of Land Management  
Vernal, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
999 18<sup>TH</sup> STREET - SUITE 200  
DENVER, CO 80202-2466  
Phone 800-227-8917  
<http://www.epa.gov/region08>

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit No: UT20798-00000**

The Final Underground Injection Control (UIC) Beluga Area Permit No. UT20798-00000, effective October 25, 1996, authorized enhanced recovery injection into the gross Douglas Creek Member of the Green River Formation. A Major Area Permit Modification No. 2, effective September 9, 2003, authorized injection for the purpose of enhanced oil recovery into multiple lenticular sand and carbonate units which are distributed throughout the Garden Gulch, Douglas Creek and Basal Carbonate Members of the Green River Formation. On April 13, 2005, the permittee provided notice to the Director concerning an additional enhanced recovery injection well in the Beluga Area Permit:

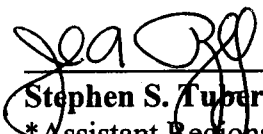
Well Name: Beluga No. 4-18-9-17  
EPA Well ID Number: UT20798-06742  
Location: 660' ft FNL & 660' FWL  
NW NW Sec. 18 - T9S - R17E  
Duchesne County, Utah.

Pursuant to 40 Code of Federal Regulations (CFR) §144.33, Beluga Area UIC Permit No. UT20798-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the Area Permit. This well was determined to satisfy additional well criteria required by the Permit.

This well is subject to all provisions of UIC Area Permit No. UT20798-00000, as modified and as specified in the Well Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: 5/17/06

*for*  *for* DH Thomas  
**Stephen S. Tuber**  
\* Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the Permit and Authorization*



## **WELL-SPECIFIC REQUIREMENTS**

Well Name: **Beluga No. 4-18-9-17**  
EPA Well ID Number: **UT20798-06742**

**Prior to commencing injection operations, the permittee shall submit the following information and receive written Authority to Inject from the Director: (II. C. Condition 2).**

1. a successful Part I (Internal) Mechanical Integrity Test (MIT);
2. pore pressure calculation of the proposed injection zone;
3. completed Well Rework Record (EPA Form No. 7520-12) and a schematic diagram.

### **Approved Injection Zone:**

**(II. C. Condition C. 4)**

Injection is approved between the top of the Green River Formation Garden Gulch Member (3526 feet) and the top of the Wasatch Formation (Est. 6017 feet).

The Permittee has cited current perforations proposed for enhanced recovery injection, i.e., gross 4018 feet - 5727 feet. The permittee is also authorized to perforate any additional intervals for enhanced recovery injection between the top of the Garden Gulch Member and the top of the Wasatch Formation during well conversion.

### **Determination of a Fracture Gradient:**

**((II. C. Condition 5. b. 1.))**

*"Using sand fracture treatment data, the EPA will calculate the MIP for each treated (sand-frac) interval using the instantaneous shut-in pressure (ISIP) from that interval. The minimum MIP calculated shall be the initial maximum surface injection pressure limit for that well."*

Of the four (4) sand/frac treatments conducted on the Beluga No. 4-18-9-17, the minimum calculated fracture gradient (FG) is 0.76 psi/ft; a value less than all FGs derived from Step-Rate Tests (SRT) in Section 18 and contiguous sections.

### **Maximum Allowable Injection Pressure (MAIP):**

**(II. C. Condition 5).**

The initial MAIP is **1750 psig** as based on the following calculation and a cited "top perforation":

$$\begin{aligned}\text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] D, \text{ where} \\ \text{FG} &= 0.76 \text{ psi/ft} \\ \text{SG} &= 1.005 \\ D &= 4018 \text{ ft (Top perforation depth)}\end{aligned}$$

**MAIP = 1748 psi, but increased to 1750 psig.**

UIC Area Permit No. UT20798-00000 also provides the opportunity for the permittee to request a change of the MAIP based upon results of a Step-Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction and Corrective Action:**

**(II. A).**

**Corrective Action is not required.** The permittee shall not be required to conduct a Part II (External) Mechanical Integrity Test (MIT). The submitted Cement Bond Log (CBL) identifies 80% bond index cement bond cement across the Confining Zone.

**Tubing and Packer:**

**(II. A. Condition 3).**

2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 100 ft above the top perforation.

**Corrective Action for Wells in Area of Review: No Corrective Action is required.** The following Green River oil wells, within or proximate to a one-quarter (1/4) mile radius around the Beluga No. 4-18-9-17, were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs. Other than a weekly inspection of Beluga No. 3-18-9-17 and Federal No. 1-13-9-16 for surface injectate leakage no corrective action is required.

Beluga 13-7-9-17

Beluga 13-18-9-17

Federal 1-13-9-16

● SW SW Section 7 - T9S - R17E

● NE NW Section 18 - T9S - R17E

● NE NE Section 13 - T9S - R16E

**Demonstration of Mechanical Integrity:**

**(II. C. Condition 3).**

A successful demonstration of (Part I Internal) Mechanical Integrity using a standard Casing-Tubing pressure test is required prior to injection, and at least once every five years thereafter.

**Demonstration of Financial Responsibility:**

**(II. F. Condition 1).**

The applicant has demonstrated financial responsibility via an Annual Statement that has been reviewed and approved by the EPA. The plugging and abandonment cost has been estimated by the permittee to be \$32,500.

**(II. E. Condition 2).**

**Plugging and Abandonment:**

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any down hole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) at 3923 feet. Place at least fifty (50) feet of cement plug on top of the CIBP.

PLUG NO. 2: Set a cement plug inside of the 5-1/2" casing from 2000 feet to 2400 feet.

PLUG NO. 2 will satisfactorily cover the top of the Green River Formation, i.e., 2295 feet, and a water zone between 2000 feet and 2200 feet.

PLUG NO. 3: Circulate Class "G" cement down the 5-1/2 inch casing to a depth of 500 feet and up the 5-1/2 inch X 8-5/8 inch casings annulus to the surface. This cement plug should preclude contamination of USDWs from the surface to a depth of 445 feet.

Cut off surface and 5-1/2" casing at least 4 ft below ground level. Set P&A marker.  
Submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

**Reporting of Noncompliance:**

**(III. E.)**

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:**

**(II. E.).**

The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1.800.227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at 303.293.1788 if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting: (II. E.).

The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the National Response Center (NRC) 1.800.424.8802 or 202.267.2675, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>.

Other Noncompliance: (II. E.).

The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

Other Information: (II. E.)

Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

## **WELL-SPECIFIC CONSIDERATIONS**

Well Name: **Beluga 4-18-9-17**

EPA Well ID Number: **UT20798-06742**

**Current Status:** The Beluga No. 4-18-9-17 is a producing Garden Gulch-Douglas Creek Members oil well currently waiting on EPA authorization to complete/convert to a Class II Green River Formation enhanced recovery injection well.

**Underground Sources of Drinking Water (USDWs):** USDWs in the Beluga Area Permit generally occur within the Uinta Formation. According to the "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 445 feet below ground surface.

**<http://NRWRT1.NR.STATE.UT.US>: (Water Rights...Queries...POD).** Within the one-quarter (1/4) mile Area-of-Review (AOR) around the Beluga No. 4-18-9-17 there are no reservoirs, streams, springs, domestic or agricultural water wells.

**Composition of Injectate and Formation Water: (Total Dissolved Solids [TDS])**

- TDS of Garden Gulch/Douglas Creek Green River Formation water: 19,982 mg/l (Analysis: 3/21/05).
- TDS of Johnson Water District Reservoir: 674 mg/l (Analysis: 1/10/05)
- TDS blended injectate: 10,087 mg/l. Blended at pump facility with Source Water and Beluga Unit produced water (Analyzed 3/28/05).

**Confining Zone:**

The Confining Zone is shale between the depths of 3458 feet and 3526 feet (KB) which directly overlies the Garden Gulch Member of the Green River Formation.

There is 80% bond index cement bond across the Confining Zone.

**Injection Zone:**

**(II. C. 4.)**

The Injection Zone is an approximate 2491-foot section of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3526 ft to the top of the Wasatch Formation (Estimated 6017 feet). All Formation and Formation Member tops are based on correlation to the Federal No.1-26-8-17 Type Log (UT20702-04671).

**Well Construction:**

**(II. A. 1. ).**

**Surface Casing:** 8-5/8" casing is set at 310 (KB) in a 12-1/4" hole, using 150 sacks of Class "G" cement which was circulated to the surface.

**Longstring:** 5-1/2" casing is set at 5864 feet (KB) in a 7-7/8" hole and secured with 725 sacks of cement. Calculated top of cement (TOC) by EPA: 1175'.

**Perforations:** Gross Perforations: 4018 feet to 5727 feet.

**Step-Rate Test (SRT):**

**(II. C. 2. d.).**

A Step-Rate Test may be required to confirm that the initial maximum authorized injection pressure (MAIP), based on sand/frac treatments, is appropriate to ensure that pressure during injection will not initiate new fractures or propagate existing fractures in the confining zone.

**Wells in Area of Review (AOR):**

The permittee shall observe the surface location of the all wells cited below for surface leakage on a weekly basis. Should such injectate contamination be observed at the surface, the permittee shall immediately suspend injection into the Beluga No. 4-18-9-17. The Beluga No. 4-18-9-17 will stay suspended until the noncompliance has been resolved. Renewed injection shall be authorized by letter from the Director.

Beluga 3-18-9-17

Federal 1-13-9-16

● NE NW Section 18 - T9S - R17E

● NE NE Section 13 - T9S - R16E

## WELL REWORK RECORD

NAME AND ADDRESS OF CONTRACTOR

**N**

**W**

E

**\$**

**PERMIT NUMBER**

1/4 of \_\_\_ 1/4 of \_\_\_ 1/4 of \_\_\_ 1/4 of Section \_\_\_ Township \_\_\_ Range \_\_\_

and \_\_\_\_ ft. from (E/W) \_\_\_\_ Line of quarter section

**TYPE OF PERMIT**

- ☐ Individual  
☐ Area  
Number of Wells \_\_\_\_\_

Well Number

### **Data Rework Completed**

### Treatment Record

### Treatment Record

### Logged Intervals

***I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).***

DATE SIGNED \_\_\_\_\_



# Beluga 4-18-9-17

Spud Date: 8/21/2003  
Put on Production: 8/25/2004  
GL: 5445' KB: 5457'

Initial Production: BOPD,  
MCFD, BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8 5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (299.75')  
DEPTH LANDED: 309.75' KB  
HOLE SIZE: 12 1/4"  
CEMENT DATA: 150 sxs Class "G" cmt, est 3 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5 1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 138 jts. (5866.49')  
DEPTH LANDED: 5864.49' KB  
HOLE SIZE: 7 7/8"  
CEMENT DATA: 300 sxs Prem. Lite II & 425 sxs 50/50 POZ mix.  
CEMENT TOP AT: 300'

### TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 174 jts (5621.66')  
TUBING ANCHOR: 5636.46' KB  
NO. OF JOINTS: 1 jt (32.53')  
SEATING NIPPLE: 2 7/8" (1.10')  
SN LANDED AT: 5670.09' KB  
NO. OF JOINTS: 2 jts (62.89')  
TOTAL STRING LENGTH: EOT @ 5734.44'

### FRAC JOB

08/18/04 5542-5727' **Frac CP3 sands as follows:**  
29,672# 20/40 sand in 329 bbls lightning Frac 17 fluid. Treated @ avg press of 1757 psi w/avg rate of 24.8 BPM. ISIP 1800. Calc. flush: 5540 gal. Actual flush: 5540 gal.

08/18/04 5126-5150' **Frac LODC sands as follows:**  
34,544# 20/40 sand in 340 bbls lightning Frac 17 fluid. Treated @ avg press of 2915 psi w/avg rate of 24.6 BPM. ISIP 3900 psi. Calc flush: 5124 gal. Actual flush: 5166 gal.

08/18/04 5004-5042' **Frac A1 and A3 sands as follows:**  
49,979# 20/40 sand in 419 bbls lightning Frac 17 fluid. Treated @ avg press of 1711 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 5002 gal. Actual flush: 4998 gal.

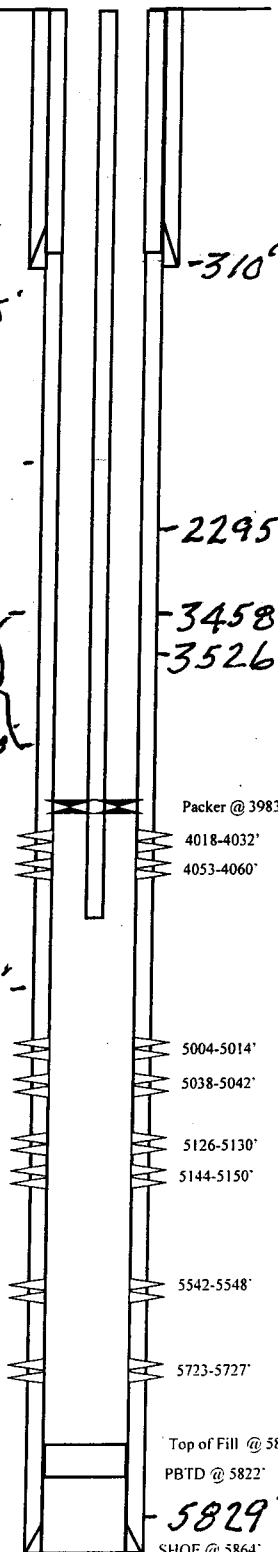
08/18/04 4018-4060' **Frac GB4 and GB6 sands as follows:**  
116,050# 20/40 sand in 785 bbls lightning Frac 17 fluid. Treated @ avg press of 1632 psi w/avg rate of 24.7 BPM. ISIP 1800 psi. Calc flush: 4016 gal. Actual flush: 3931 gal.

### PERFORATION RECORD

Date	Interval	Tool	Holes
8/13/04	5723-5727'	4 JSPF	16 holes
8/13/04	5542-5548'	4 JSPF	24 holes
8/18/04	5144-5150'	4 JSPF	24 holes
8/18/04	5126-5130'	4 JSPF	16 holes
8/18/04	5038-5042'	4 JSPF	16 holes
8/18/04	5004-5014'	4 JSPF	40 holes
8/18/04	4053-4060'	4 JSPF	28 holes
8/18/04	4018-4032'	4 JSPF	56 holes

### NEWFIELD

**Beluga 4-18-9-17**  
660' FNL 660' FWL  
NW/NW Section 18-T9S-R17E  
Duchesne Co., Utah  
API# 43-013-32274; Lease # UTU-72106





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

999 18th STREET - SUITE 500  
DENVER, COLORADO 80202-2466

SUBJECT: GROUND WATER SECTION GUIDANCE NO. 39  
Pressure testing injection wells for Part I (internal)  
Mechanical Integrity

FROM: Tom Pike, Chief  
UIC Direct Implementation Section

TO: All Section Staff  
Montana Operations Office

Introduction

The Underground Injection Control (UIC) regulations require that an injection well have mechanical integrity at all times (40 CFR 144.28 (f) (2) and 40 CFR 144.51 (q) (1)). A well has mechanical integrity (40 CFR 146.8) if:

- (1) There is no significant leak in the tubing, casing or packer; and
- (2) There is no significant fluid movement into an underground source of drinking water (USDW) through vertical channels adjacent to the injection wellbore.

Definition: Mechanical Integrity Pressure Test for Part I. A pressure test used to determine the integrity of all the downhole components of an injection well, usually tubing, casing and packer. It is also used to test tubing cemented in the hole by using a tubing plug or retrievable packer. Pressure tests must be run at least once every five years. If for any reason the tubing/packer is pulled, the injection well is required to pass another mechanical integrity test of the tubing casing and packer prior to recommencing injection regardless of when the last test was conducted. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on either the attached form or an equivalent form containing the necessary information. A pressure recording chart documenting the actual annulus test pressures must be attached to the form.

This guidance addresses making a determination of Part I of Mechanical Integrity (no leaks in the tubing, casing or packer). The Region's policy is: 1) to determine if there are significant leaks in the tubing, casing or packer; 2) to assure that the casing can withstand pressure similar to that which

would be applied if the tubing or packer fails; 3) to make the Region's test procedure consistent with the procedures utilized by other Region VIII Primacy programs; and 4) to provide a procedure which can be easily administered and is applicable to all class I and II wells. Although there are several methods allowed for determining mechanical integrity, the principal method involves running a pressure test of the tubing/casing annulus. Region VIII's procedure for running a pressure test is intended to aid UIC field inspectors who witness pressure tests for the purpose of demonstrating that a well has Part I of Mechanical Integrity. The guidance is also intended as a means of informing operators of the procedures required for conducting the test in the absence of an EPA inspector.

#### Pressure Test Description

##### Test Frequency

The mechanical integrity of an injection well must be maintained at all times. Mechanical integrity pressure tests are required at least every five (5) years. If for any reason the tubing/packer is pulled, however, the injection well is required to pass another mechanical integrity test prior to recommencing injection regardless of when the last test was conducted. The Regional UIC program must be notified of the workover and the proposed date of the pressure test. The well's test cycle would then start from the date of the new test if the well passes the test and documentation is adequate. Tests may be required on a more frequent basis depending on the nature of the injectate and the construction of the well (see Section guidance on MITs for wells with cemented tubing and regulations for Class I wells).

Region VIII's criteria for well testing frequency is as follows:

1. Class I hazardous waste injection wells; initially [40 CFR 146.68(d)(1)] and annually thereafter;
2. Class I non-hazardous waste injection wells; initially and every two (2) years thereafter, except for old permits (such as the disposal wells at carbon dioxide extraction plants which require a test at least every five years);
3. Class II wells with tubing, casing and packer; initially and at least every five (5) years thereafter;
4. Class II wells with tubing cemented in the hole; initially and every one (1) or two (2) years thereafter

depending on well specific conditions (See Region VIII UIC Section Guidance #36);

5. Class II wells which have been temporarily abandoned (TAd) must be pressure tested after being shut-in for two years; and
6. Class III uranium extraction wells; initially.

#### Test Pressure

To assure that the test pressure will detect significant leaks and that the casing is subjected to pressure similar to that which would be applied if the tubing or packer fails, the tubing/casing annulus should be tested at a pressure equal to the maximum allowed injection pressure or 1000 psig whichever is less. The annular test pressure must, however, have a difference of at least 200 psig either greater or less than the injection tubing pressure. Wells which inject at pressures of less than 300 psig must test at a minimum pressure of 300 psig, and the pressure difference between the annulus and the injection tubing must be at least 200 psi.

#### Test Criteria

1. The duration of the pressure test is 30 minutes.
2. Both the annulus and tubing pressures should be monitored and recorded every five (5) minutes.
3. If there is a pressure change of 10 percent or more from the initial test pressure during the 30 minute duration, the well has failed to demonstrate mechanical integrity and should be shut-in until it is repaired or plugged.
4. A pressure change of 10 percent or more is considered significant. If there is no significant pressure change in 30 minutes from the time that the pressure source is disconnected from the annulus, the test may be completed as passed.

#### Recordkeeping and Reporting

The test results must be recorded on the attached form. The annulus pressure should be recorded at five (5) minute intervals. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on the attached form or an equivalent form and a pressure recording

chart documenting the actual annulus test pressures must be attached to the submittal. The tubing pressure at the beginning and end of each test must be recorded. The volume of the annulus fluid bled back at the surface after the test should be measured and recorded on the form. This can be done by bleeding the annulus pressure off and discharging the associated fluid into a five gallon container. The volume information can be used to verify the approximate location of the packer.

#### Procedures for Pressure Test

1. Scheduling the test should be done at least two (2) weeks in advance.
2. Information on the well completion (location of the packer, location of perforations, previous cement work on the casing, size of casing and tubing, etc.) and the results of the previous MIT test should be reviewed by the field inspector in advance of the test. Regional UIC Guidance #35 should also be reviewed. Information relating to the previous MIT and any well workovers should be reviewed and taken into the field for verification purposes.
3. All Class I wells and Class II SWD wells should be shut-in prior to the test. A 12 to 24-hour shut-in is preferable to assure that the temperature of the fluid in the wellbore is stable.
4. Class II enhanced recovery wells may be operating during the test, but it is recommended that the well be shut-in if possible.
5. The operator should fill the casing/tubing annulus with inhibited fluid at least 24 hours in advance, if possible. Filling the annulus should be undertaken through one valve with the second valve open to allow air to escape. After the operator has filled the annulus, a check should be made to assure that the annulus will remain full. If the annulus can not maintain a full column of fluid, the operator should notify the Director and begin a rework. The operator should measure and report the volume of fluid added to the annulus. If not already the case, the casing/tubing valves should be closed, at least, 24 hours prior to the pressure test.

Following steps are at the well:

6. Read tubing pressure and record on the form. If the

well is shut-in, the reported information on the actual maximum operating pressure should be used to determine test pressures.

7. Read pressure on the casing/tubing annulus and record value on the form. If there is pressure on the annulus, it should be bled off prior to the test. If the pressure will not bleed-off, the guidance on well failures (Region VIII UIC Section Guidance #35) should be followed.
8. Ask the operator for the date of the last workover and the volume of fluid added to the annulus prior to this test and record information on the form.
9. Hook-up well to pressure source and apply pressure until test value is reached.
10. Immediately disconnect pressure source and start test time (If there has been a significant drop in pressure during the process of disconnection, the test may have to be restarted). The pressure gages used to monitor injection tubing pressure and annulus pressure should have a pressure range which will allow the test pressure to be near the mid-range of the gage. Additionally, the gage must be of sufficient accuracy and scale to allow an accurate reading of a 10 percent change to be read. For instance, a test pressure of 600 psi should be monitored with a 0 to 1000 psi gage. The scale should be incremented in 20 psi increments.
11. Record tubing and annulus pressure values every five (5) minutes.
12. At the end of the test, record the final tubing pressure.
13. If the test fails, check the valves, bull plugs and casing head close up for possible leaks. The well should be retested.
14. If the second test indicates a well failure, the Region should be informed of the failure within 24 hours by the operator, and the well should be shut-in within 48 hours per Headquarters guidance #76. A follow-up letter should be prepared by the operator which outlines the cause of the MIT failure and proposes a potential course of action. This report should be submitted to EPA within five days.

15. Bleed off well into a bucket, if possible, to obtain a volume estimate. This should be compared to the calculated value obtained using the casing/tubing annulus volume and fluid compressibility values.
16. Return to office and prepare follow-up.

#### Alternative Test Option

While it is expected that the test procedure outlined above will be applicable to most wells, the potential does exist that unique circumstances may exist for a given well that precludes or makes unsafe the application of this test procedure. In the event that these exceptional or extraordinary conditions are encountered, the operator has the option to propose an alternative test or monitoring procedures. The request must be submitted by the operator in writing and must be approved in writing by the UIC-Implementation Section Chief or equivalent level of management.

Attachment

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Test conducted by: \_\_\_\_\_

Others present: \_\_\_\_\_

Well Name: _____	Type: ER SWD	Status: AC TA UC
Field: _____		
Location: _____	Sec: _____ T _____ N/S R _____ E/W	County: _____ State: _____
Operator: _____		
Last MIT: ____/____/____	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? ☐ Yes ☐ No

Initial test for permit? ☐ Yes ☐ No

Test after well rework? ☐ Yes ☐ No

Well injecting during test? ☐ Yes ☐ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: \_\_\_\_\_ psig

MIT DATA TABLE		Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>				
Initial Pressure	psig	psig	psig	psig
End of test pressure	psig	psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>				
0 minutes	psig	psig	psig	psig
5 minutes	psig	psig	psig	psig
10 minutes	psig	psig	psig	psig
15 minutes	psig	psig	psig	psig
20 minutes	psig	psig	psig	psig
25 minutes	psig	psig	psig	psig
30 minutes	psig	psig	psig	psig
minutes	psig	psig	psig	psig
minutes	psig	psig	psig	psig
RESULT	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail



## SUNDRY NOTICES AND REPORTS ON WELLS

AUG 21 2006

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 8/10/06  
Test conducted by: Trefley J. Baza  
Others present: \_\_\_\_\_

Well Name: <u>Beluga 4-18-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte / Beluga Unit</u>		
Location: <u>NW/NW</u> Sec: <u>18</u> T <u>9</u> N <u>(S)</u> R <u>17(E)</u> W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>New Field</u>		
Last MIT: <u>1</u> / <u>1</u>		Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test?    ☐ Yes    ☒ No  
Initial test for permit?                ☒ Yes    ☐ No  
Test after well rework?                ☐ Yes    ☒ No  
Well injecting during test?            ☐ Yes    ☒ No    If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

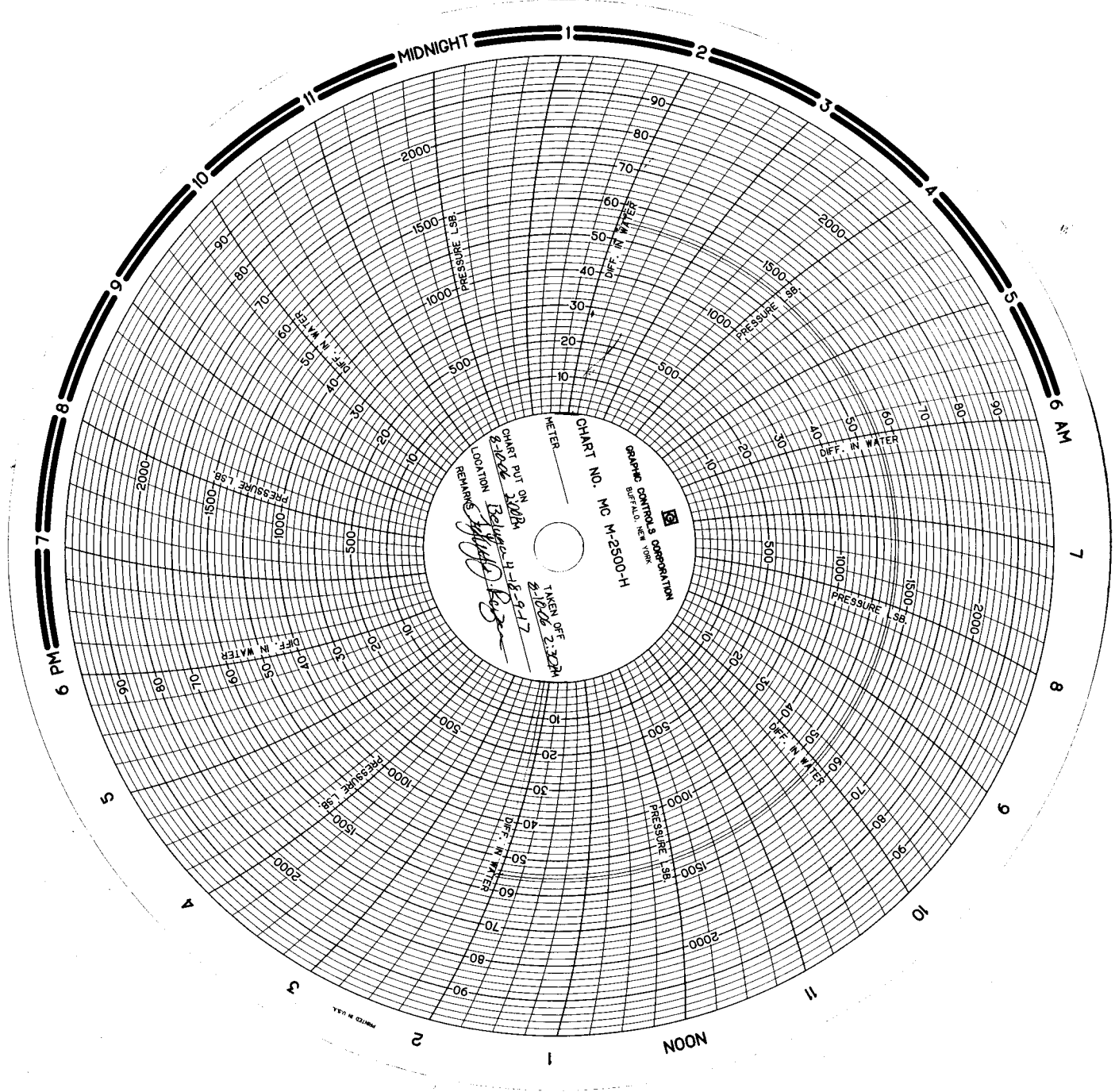
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>	<b>PRESSURE</b>		
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
<b>CASING / TUBING</b>	<b>ANNULUS PRESSURE</b>		
0 minutes	<u>1370</u> psig	psig	psig
5 minutes	<u>1370</u> psig	psig	psig
10 minutes	<u>1370</u> psig	psig	psig
15 minutes	<u>1370</u> psig	psig	psig
20 minutes	<u>1370</u> psig	psig	psig
25 minutes	<u>1370</u> psig	psig	psig
30 minutes	<u>1370</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?    ☐ Yes    ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

999 18<sup>TH</sup> STREET- SUITE 200

DENVER, CO 80202-2466

Phone 800-227-8917

<http://www.epa.gov/region08>

SEP 13 2006

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Michael Guinn  
Vice President - Operations  
Newfield Production Company  
Route 3 – Box 3650  
Myton, Utah 84502

43,013,32274

95 17E 18

RE: Underground Injection Control (UIC)  
Authority to Commence Injection  
Beluga No. 4-18-9-17  
EPA Well Permit ID: UT20798-06742  
Duchesne County, Utah

Dear Mr. Guinn:

Newfield Production Company (Newfield) has satisfactorily fulfilled all the Environmental Protection Agency's (EPA) **Prior to Commencing Injection** requirements in the well-specific Permit UT20798-06742 (effective May 17, 2006). All Prior to Injection Requirements, i.e., Part I (Internal) Mechanical Integrity Test, Well Rework Record (EPA Form No. 7520-12), and a pore pressure were reviewed and approved by the EPA on August 31, 2006.

Newfield, as of the date of this letter, is authorized to commence injection into the Beluga No. 4-18-9-17. Until such time that the permittee demonstrates through a Step-Rate Injectivity Test (SRT) that the fracture gradient (FG) is other than 0.76 psi/ft, the Beluga No. 4-18-9-17 shall be operated at a maximum allowable surface injection pressure no greater than 1750 psig.

RECEIVED

SEP 15 2006

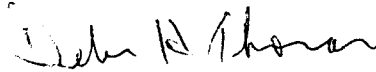
DIV. OF OIL, GAS & MINING

As of this approval, responsibility for Permit compliance and enforcement is transferred to the Region 8 UIC Technical Enforcement Program office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following addressee referencing your well name and UIC Permit number:

Mr. Nathan Wiser  
 Technical Enforcement Program – UIC  
 U.S. EPA Region 8: Mail Code 8ENF-UFO  
 999-18<sup>th</sup> Street – Suite 200  
 Denver, CO 80202-2466  
 Phone: 303-312-6211, or 1-800-227-8917 (Ext. 6211).

Please be reminded that it is your responsibility to be aware of and comply with all conditions of Permit UT20798-06742. If you have any questions in regard to the above action, please contact Emmett Schmitz at 303-312-6174 in the Denver area, or 1-800-227-8917 (Ext. 6174).

Sincerely,



for Stephen S. Tuber  
 Assistant Regional Administrator  
 Office of Partnerships and Regulatory Assistance

cc: Maxine Natchees  
 Acting Chairperson  
 Uintah & Ouray Business Committee  
 Ute Indian Tribe

S. Elaine Willie  
 Environmental Coordinator  
 Ute Indian Tribe

Lynn Becker  
 Director  
 Energy & Minerals Dept.  
 Ute Indian Tribe

Chester Mills  
Superintendent  
U.S. Bureau of Indian Affairs  
Uintah & Ouray Indian Agency

David Gerbig  
Operations Engineer  
Newfield Production Company  
Denver, CO

Gilbert Hunt  
Associate Director  
State of Utah – Natural Resources

Fluid Minerals Engineering Office  
U.S. Bureau of Land Management  
Vernal, UT

Nathan Wiser  
8ENF-UFO



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660 FNL 660 FWL

NWNW Section 18 T9S R17E

5. Lease Serial No.

UTU-72106

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

BELUGA UNIT

8. Well Name and No.

BELUGA 4-18-9-17

9. API Well No.

4301332274

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Change Status, Put Well
	<input checked="" type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	on Injection

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above referenced well was put on injection at 11:00 a.m. on 9/26/06.

EPA UIC #UT20798-06742.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

09/26/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**SEP 27 2006**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

1. Type of Well  
☒ Oil Well ☐ Gas Well ☒ Other *WI*

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435 646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660 FNL 660 FWL  
NWNW Section 18 T9S R17E

5. Lease Serial No.

USA UTU-72106

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
BELUGA UNIT

8. Well Name and No.  
BELUGA 4-18-9-17

9. API Well No.  
4301332274

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Step Rate Test _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

A step rate test was conducted on the subject well on February 6, 2007. Results from the test indicate that the fracture gradient is .881 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1775 psi.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Chevonne Bateman

Title

Well Analyst Foreman

Signature

Date

02/12/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

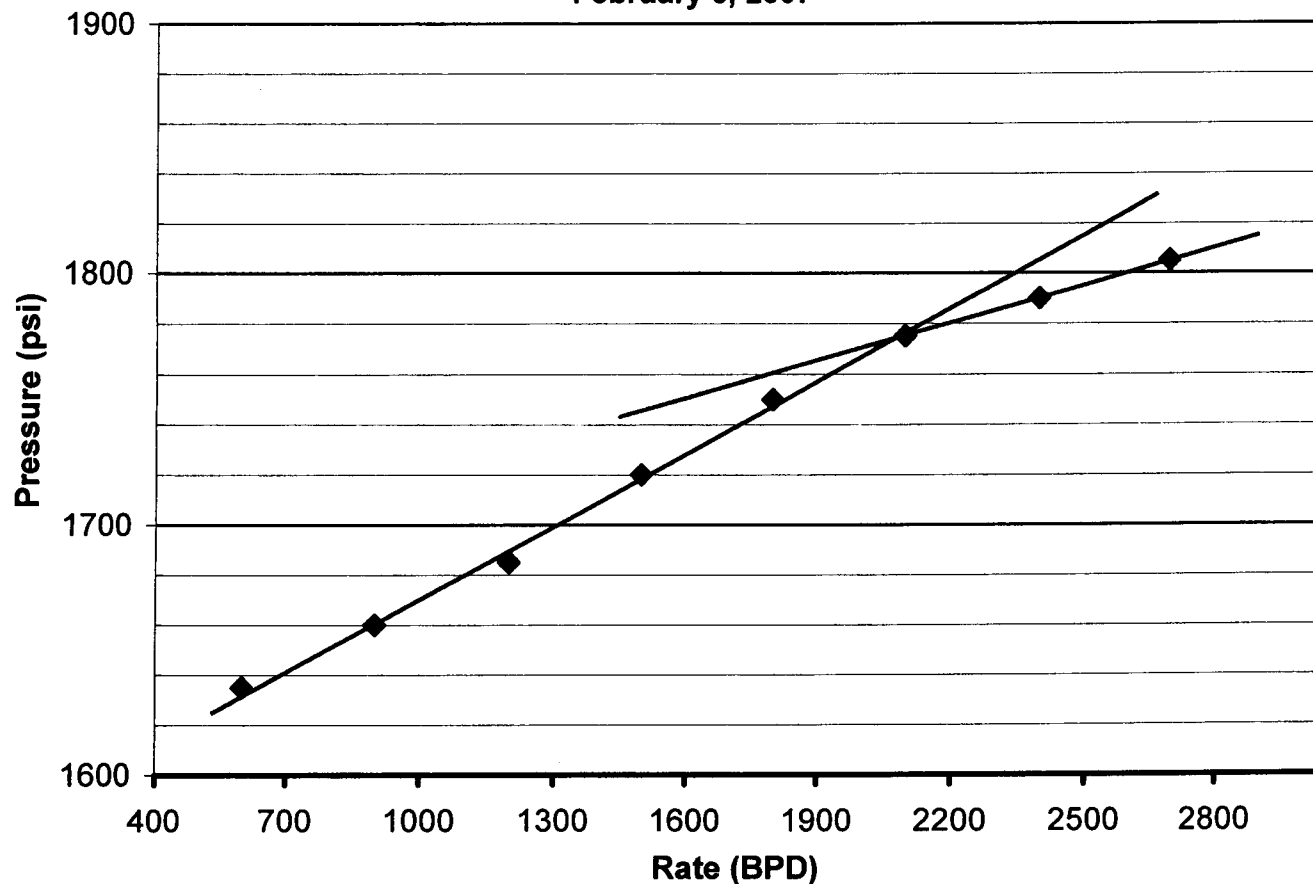
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**  
**FEB 14 2007**  
DIV. OF OIL, GAS & MINING

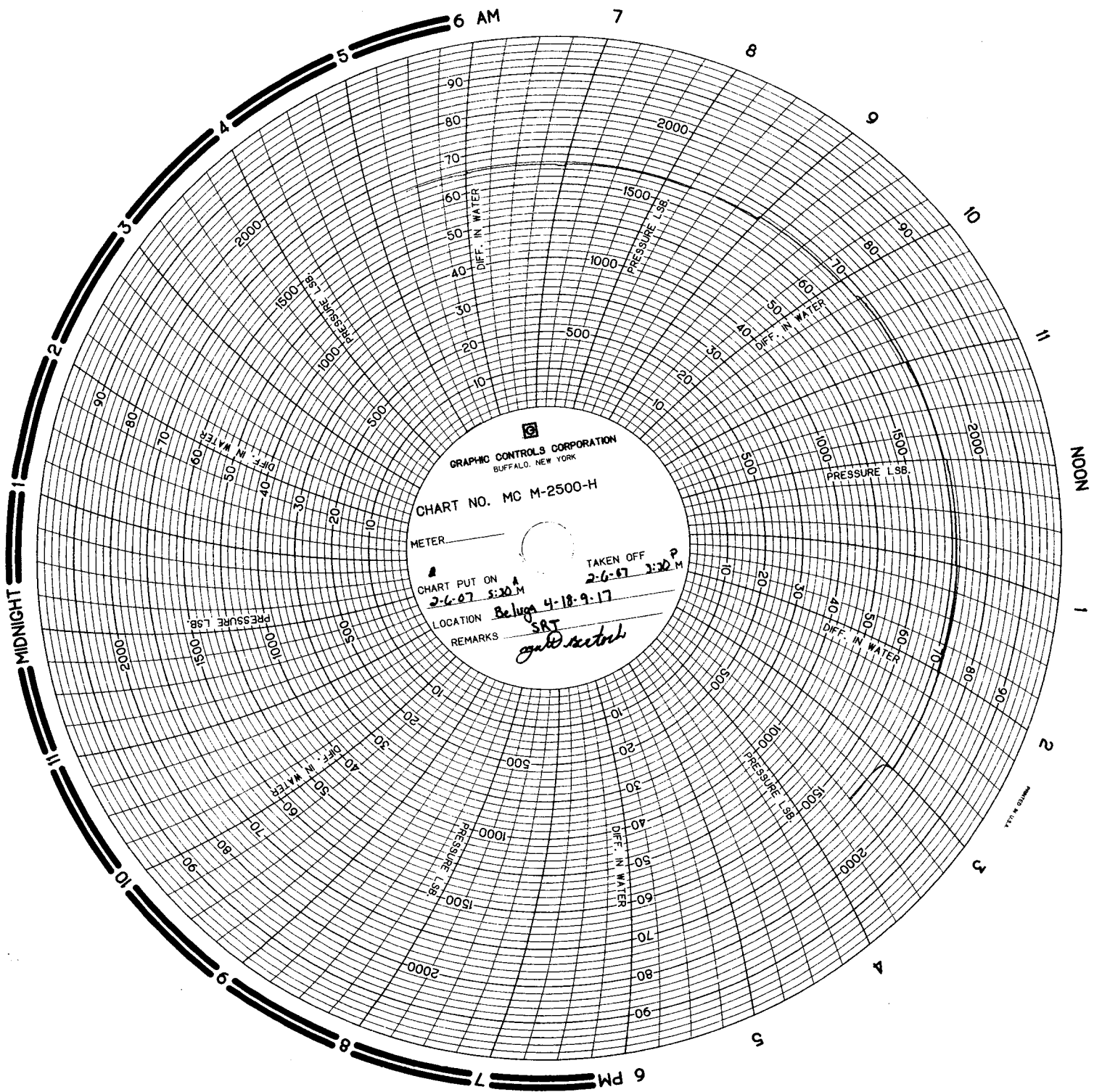


Beluga 4-18-9-17  
Beluga Unit  
Step Rate Test  
February 6, 2007



Start Pressure: 1625 psi  
Instantaneous Shut In Pressure (ISIP): 1775 psi  
Top Perforation: 4018 feet  
Fracture pressure (P<sub>fp</sub>): 1775 psi  
FG: 0.881 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	300	1625
2	600	1635
3	900	1660
4	1200	1685
5	1500	1720
6	1800	1750
7	2100	1775
8	2400	1790
9	2700	1805



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72106
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> BELUGA U 4-18-9-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 18 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013322740000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/12/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			
	<input checked="" type="checkbox"/> OTHER		OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
  
 On 07/05/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 07/12/2011 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1706 psig during the test. There was not an EPA representative available to witness the test.  
 EPA# UT20798-06742 API# 43-013-32274

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/15/2011	

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 7/12/11  
Test conducted by: Ben Glines  
Others present: \_\_\_\_\_

Well Name: <u>Beluga 4-18-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>NW/4W</u> Sec: <u>18</u> T <u>9</u> N <u>10</u> R <u>17</u> W	County: <u>Duchesne</u> State: <u>UT</u>	
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____ PSIG	

Is this a regularly scheduled test? ☒ Yes ☐ No  
Initial test for permit? ☐ Yes ☒ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 2 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>	<b>PRESSURE</b>		
Initial Pressure	<u>1706</u> psig	psig	psig
End of test pressure	<u>1706</u> psig	psig	psig
<b>CASING / TUBING</b>	<b>ANNULUS</b>	<b>PRESSURE</b>	
0 minutes	<u>1200</u> psig	psig	psig
5 minutes	<u>1200</u> psig	psig	psig
10 minutes	<u>1200</u> psig	psig	psig
15 minutes	<u>1200</u> psig	psig	psig
20 minutes	<u>1200</u> psig	psig	psig
25 minutes	<u>1200</u> psig	psig	psig
30 minutes	<u>1200</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

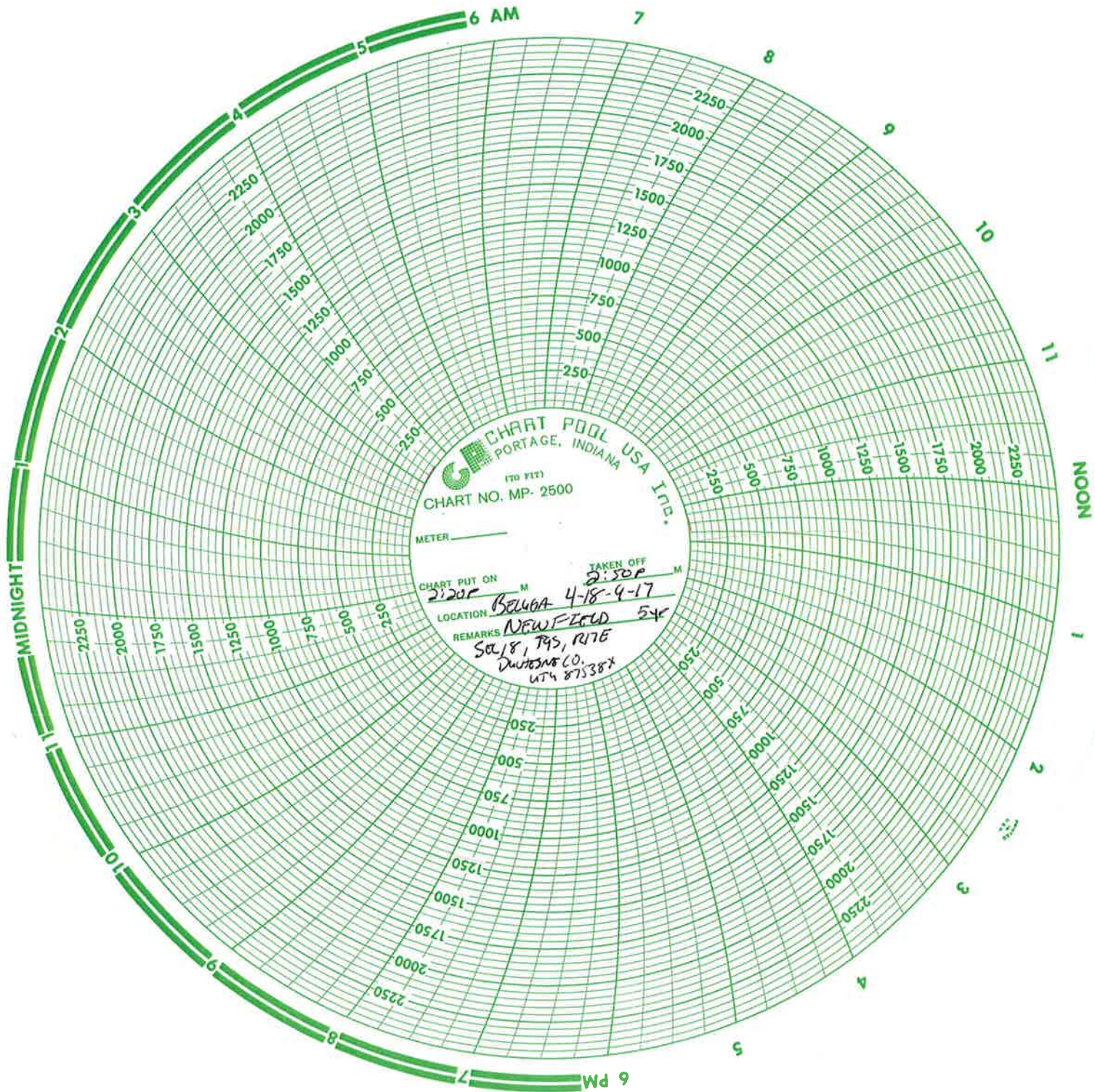
## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_

**RECEIVED** Jul. 15, 2011







# Beluga 4-18-9-17

Spud Date: 8/21/2003  
Put on Production: 8/25/2004  
GL: 5445' KB: 5457'

Initial Production: BOPD,  
MCFD, BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8 5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (299.75')  
DEPTH LANDED: 309.75' KB  
HOLE SIZE: 12 1/4"  
CEMENT DATA: 150 sxs Class "G" cmt, est 3 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5 1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 138 jts. (5866.49')  
DEPTH LANDED: 5864.49' KB  
HOLE SIZE: 7 7/8"  
CEMENT DATA: 300 sxs Prem. Lite II & 425 sxs 50-50 POZ mix.  
CEMENT TOP AT: 300'

### TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 122 jts (3935.01')  
SEATING NIPPLE: 2 7/8" (1.10')  
SN LANDED AT: 3947.01' KB  
TOTAL STRING LENGTH: EOT @ 3955.56'

### FRAC JOB

08/18/04 5542-5727' **Frac CP3 sands as follows:**  
29,672# 20/40 sand in 329 bbls lightning Frac  
17 fluid. Treated @ avg press of 1757 psi  
w/avg rate of 24.8 BPM. ISIP 1800. Calc.  
flush: 5540 gal. Actual flush: 5540 gal.

08/18/04 5126-5150' **Frac LODC sands as follows:**  
34,544# 20/40 sand in 340 bbls lightning  
Frac 17 fluid. Treated @ avg press of 2915 psi  
w/avg rate of 24.6 BPM. ISIP 3900 psi. Calc  
flush: 5124 gal. Actual flush: 5166 gal.

08/18/04 5004-5042' **Frac A1 and A3 sands as follows:**  
49,979# 20/40 sand in 419 bbls lightning  
Frac 17 fluid. Treated @ avg press of 1711 psi  
w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc  
flush: 5002 gal. Actual flush: 4998 gal.

08/18/04 4018-4060' **Frac GB4 and GB6 sands as follows:**  
116,050# 20/40 sand in 785 bbls lightning  
Frac 17 fluid. Treated @ avg press of 1632 psi  
w/avg rate of 24.7 BPM. ISIP 1800 psi. Calc  
flush: 4016 gal. Actual flush: 3931 gal.

10/25/05 **Parted Rods. Update tubing and rod details.**

11/01/05 **Parted rods. Update rod and tubing details.**

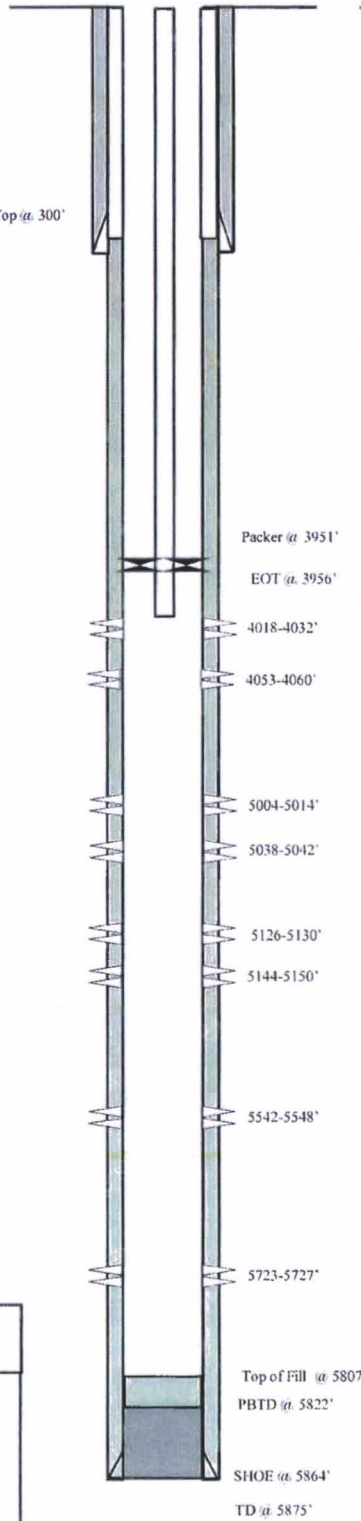
8/4/06 **Well converted to an Injection well.**

8/18/06 **MIT completed and submitted.**

### PERFORATION RECORD

Date	Interval	Tool	Holes
8/13/04	5723-5727'	4 JSPF	16 holes
8/13/04	5542-5548'	4 JSPF	24 holes
8/18/04	5144-5150'	4 JSPF	24 holes
8/18/04	5126-5130'	4 JSPF	16 holes
8/18/04	5038-5042'	4 JSPF	16holes
8/18/04	5004-5014'	4 JSPF	40 holes
8/18/04	4053-4060'	4 JSPF	28 holes
8/18/04	4018-4032'	4 JSPF	56 holes

<b>NEWFIELD</b>	
<b>Beluga 4-18-9-17</b>	
660' FNL 660' FWL	
NW NW Section 18-T9S-R17E	
Duchesne Co., Utah	
API# 43-013-32274; Lease # UTU-72106	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72106
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> BELUGA U 4-18-9-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 18 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013322740000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/16/2016	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT performed on the above listed well. On 06/16/2016 the casing was pressured up to 1348 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. the tbg pressure was 1598 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-06742		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> June 22, 2016		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/20/2016	

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_

Date: JUNE 16 / 2016Test conducted by: JOHANN SKIM

Others present: \_\_\_\_\_

Well Name: <u>BELUGE 4-18-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>GREATER MONUMENT BUTTE UNIT</u>		
Location: <u>NW/NW/</u> Sec: <u>18 T 9 N R 17 E</u> County: <u>DUTCHESSE</u> State: <u>NY</u>		
Operator: <u>NEWFIELD EXPLORATION CO.</u>		
Last MIT: <u>1 / 1</u>	Maximum Allowable Pressure: <u>1730</u> PSIG	

Is this a regularly scheduled test?    ☒ Yes    ☐ No  
 Initial test for permit?                ☐ Yes    ☒ No  
 Test after well rework?                ☐ Yes    ☒ No  
 Well injecting during test?            ☒ Yes    ☐ No    If Yes, rate: 22 bpd

Pre-test casing/tubing annulus pressure: 0 / 1598 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1598</u> psig	psig	psig
End of test pressure	<u>1598</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1349</u> psig	psig	psig
5 minutes	<u>1353</u> psig	psig	psig
10 minutes	<u>1352</u> psig	psig	psig
15 minutes	<u>1350</u> psig	psig	psig
20 minutes	<u>1349</u> psig	psig	psig
25 minutes	<u>1348</u> psig	psig	psig
30 minutes	<u>1348</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?    ☐ Yes    ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



Beluge 4 18 9 17 5yr MIT (6-16-2016)  
6/16/2016 7:23:29 AM

